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AN INDEX TO EPITHETS TREATED BY  
KING AND ROBINSON: EUPATORIEAE (ASTERACEAE)

Michael J. Warnock, Sam Houston State University, Huntsville, TX

SUMMARY

Epithets of the Eupatorieae (Asteraceae) which have been treated by King and Robinson since 1965 are indexed. Basionyms and present combinations are cross listed. Data are also provided for the geographic range of most taxa.

INTRODUCTION

While attempting to curate specimens of Asteraceae in the Warner Herbarium (SHST), considerable difficulties were encountered in assigning the proper name to many taxa. These difficulties were not limited to the usual process of identifying the plants, even though I was working with many Mexican and Peruvian plants in addition to the North American specimens. Once the plants had been worked through the key, the problem became one of tracing the present name for the species. Here, I was confronted with the massive numbers of nomenclatural changes presented in the last several years by R. M. King and H. Robinson. The nomenclatural activities of these two workers have been particularly profound in the Eupatorieae but have greatly affected other tribes of the Asteraceae as well.

As compared to other tribes in the Asteraceae, the Eupatorieae is medium sized-2000+ species. However, in contrast to most of the other tribes of 500 or more species, the Eupatorieae had very few recognized genera before the work of King & Robinson. Herein lies the fundamental difficulty in assigning proper nomenclatural combinations to specimens. That is, nearly all species once considered *Eupatorium* (most of the tribe) are now treated as belonging to other genera. Additionally, King & Robinson have published their changes in a large number of papers, treated related taxa in several different papers and even the same epithet has been transferred to different genera in different papers. Irrespective of the systematics of the group and King & Robinson's treatments of the taxa (I do not know the plants well enough to comment on how "good" their treatments are), the amount of material that a worker must sift through in order to apply the current names to a plant he may be working on is tremendous.

For workers not familiar with the plants, the time and effort may not be worthwhile and the work goes undone or is done but by using a possibly incorrect name. Particularly in larger institutions with many more specimens than I have, the amount of work involved in refiling all the specimens is prohibitive and may

also contribute to the lack of general acceptance of the work of King & Robinson. Especially in Latin America, where most members of the Eupatorieae grow, access to the papers of King & Robinson is difficult. This further complicates the difficulties of those individuals who are dealing most closely with the plants. This index to epithets of the Eupatorieae is intended to address these problems by cross referencing epithets in order to simplify the process of shifting specimens from one generic folder to another.

## METHODS

Papers by King & Robinson since 1965 and pertaining to the nomenclature of the Eupatorieae were examined and each given a number as listed in literature cited. Most of these papers were published in the series "Studies in the Eupatorieae (Asteraceae)" I-CCXXII. With this large number of papers already numbered and more or less in chronological sequence, I have retained those numbers in the index. This is intended to reduce confusion as workers use the references to consult the original work or works on a taxon. However, this procedure has resulted in a small number of papers (224-235 in literature cited) being treated out of chronological sequence. Therefore, workers interested in chronological order of treatment of an epithet by King & Robinson need to keep this in mind while using the index. In the index, the numbers listed with the papers in literature cited are used as a shorthand means for referencing them. Thus, where *Acritopappus harleyi* is followed by 166,189 in the index, this means that paper 166 (King & Robinson 1977 *Phytologia* 38: 99-105) and paper 189 (King & Robinson 1980 *Phytologia* 45: 142-157) in literature cited contain information about *Acritopappus harleyi*.

Each paper was read and the pertinent data for the index were extracted. Only taxonomic papers were included. The numerous phytochemical papers coauthored by King & Robinson over the same time period were not referenced for the index. Orthographic errors in citations were corrected when they were noted. The categories for each recognized species entry in the index are:

1. epithet.
2. authority(ies).
3. year of publication (listed only if described in that genus) OR generic source of basionym (for taxa which have been transferred into the genus).
4. geographic range.
5. reference listing.

Each synonymized species epithet has the following categories:

1. epithet.
2. authority(ies).
3. year of publication.
4. present nomenclatural combination.
5. reference for transfer to new combination.

In some instances, not all of the information was available. For example, geographic range is missing from a number of listings because the ranges were not referenced in the papers. Other listings where data are missing are primarily for epithets which have not been transferred by King & Robinson but have been discussed in the papers about other taxa. In some instances, this presents somewhat of a difficulty in a nomenclatural sense. For example, in reference 232, King & Robinson make a number of statements indicating placement of epithets from *Eupatorium* into other genera. Most of the statements have been formalized by valid transfer of the epithets in previous or subsequent papers—some have not. However, all are cross referenced under both genera in the index. In other instances, King & Robinson mention taxa in their discussions of new taxa or new combinations. These "mentioned" taxa have, in many cases, been placed in the genus by other authors. However, by citing them, King & Robinson have tacitly—and usually explicitly—accepted them and they are therefore listed in the index. This latter case is particularly apparent in some of the older genera such as *Adenostemma*.

As an aid to determining the number of species accepted in a genus by King & Robinson, two things have been done. 1) The number of species listed by King & Robinson in their most recent discussion of the genus is listed when such a number is mentioned. For most genera, this is reference 233 but for many others, it is reference 235. 2) Epithets in synonymy from a genus are marked with a dagger (†). This provides a quick visual reference for actual number of species treated in a genus.

An example of how the index works is as follows:

*Acanthostyles*

*saucechicoensis* (Hieron.) K. & R. (*Eupatorium*) Argentina 52

The line above means that the epithet *saucechicoensis* was originally published by Hieronymus to refer to a plant considered a *Eupatorium* but which has been transferred by King & Robinson to *Acanthostyles*. The transfer was made in reference 52. The cross reference for the same nomenclatural transfer is shown below.

*Eupatorium*

†*saucechicoense* Hieron. 1897 = *Acanthostyles saucechicoensis* 52

The index is alphabetical by genus and alphabetical by species within genera.

CONCLUSIONS

The index is intended to provide workers with a simplified means for assigning current nomenclatural combinations to specimens from the Eupatoreiae. It is not intended as a rejection or acceptance of the work of King & Robinson; simply an index to that work. However, if this paper eases the nomenclatural difficulties of researchers working in the Eupatoreiae, it may well lead to more substantial

conclusions as to the relative merits of various treatments of the group. Even if this index only allows herbarium workers to systematically file their collections, it will have accomplished its purpose. Any errors in citation are just that. No new names or combinations are intended in this work.

*Acanthostyles* K. & R. 1971 2 spp. 51,52,53,233  
*buniifolius* (H. & A.) K. & R. (*Eupatorium*) southern South America 52  
*saucechicoensis* (Heiron.) K. & R. (*Eupatorium*) Argentina 52

*Acritopappus* K. & R. 1972 13 spp. 87,88,107,233,235  
*confertus* (Gardn.) K. & R. (*Decachaeta, Ageratum*) Brasil 16,109,189  
*connatifolius* (Soares Nunes) K. & R. (*Ageratum*) Brasil 204  
*hagei* K. & R. 1980 Brasil 189  
*harleyi* K. & R. 1977 Brasil 166,189  
*heterolepis* (Baker) K. & R. (*Ageratum*) Brasil 189  
*irwinii* K. & R. 1972 Brasil 109,189  
*longifolius* (Gardn.) K. & R. (*Decachaeta, Alomia*) Brasil 16,88,109,166,189  
*micropappus* (Baker) K. & R. (*Ageratum*) Brasil 88,166,189  
*morii* K. & R. 1980 Brasil 189  
*prunifolius* K. & R. 1980 Brasil 189  
*santosii* K. & R. 1980 Brasil 189  
*subtomentosus* K. & R. 1980 Brasil 189  
*teizeirae* K. & R. 1980 Brasil 189

†*Addisonia* Rusby 1893 = *Heleoegyne* 11,233  
 †*virgata* Rusby 1893 = *Heleoegyne virgata* 11

*Adenocritonia* K. & R. 1976 1 sp. 158,233

*Adenostemma* Forst. & Forst. 1776 30 spp. 11,24,218,235  
*berteri* DC. West Indies, Nicaragua 127,229  
*brasiliiana* eastern South America 127  
*cuatrecasasii* K. & R. 1974 Venezuela, Colombia 127  
*erecta* (Sw.) 11  
*fosbergii* K. & R. 1974 Colombia, Ecuador, Peru 127  
*hirtiflora* Benth. Guatemala 127  
*involucrata* K. & R. 1974 Brasil 127  
*lanceolata* Miq. Pacific 127  
*lavenia* (L.) O. Ktze. Ceylon 127,229,233  
 †*nutans* Greenm. 1912 = *Gymnocoronis nutans* 127  
 †*pakaraimae* Maguire & Wurdack 1957 = *Sciadocephala pakaraimae* 127  
*parvifolia* (Bl.) DC. Java 127  
*perrottetii* DC. Africa 127  
*platyphylla* Cass. 1822 Panama, South America 127,229,230  
*suffruticosa* Brasil 127  
*verbesina* (L.) O. Ktze. West Indies, South America 127  
*viscosa* Forst. & Forst. 1796 Indian and Pacific Oceans 11,127  
*vitiensis* H. Robins. 1974 Fiji 127

*Ageratella* Gray ex Wats. 1887 2 spp. 11,165,233,235  
*microphylla* (Sch.-Bip.) Gray (*Ageratum*) Mexico 7,11,16,100

†*Ageratina* O. Hoffm. 1900 = *Ageratinastrum* 11  
 †*goetzeana* O. Hoffm. 1900 = *Ageratinastrum goetzeanum* 11

*Ageratina* Spach 1841 230 spp. 11,20,22,23,29,32,38,46,63,64,86,156,171,196,217,222,223,226, 235

abronia (Klatt) K. & R. (*Eupatorium*) 85

acutidentata (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19

adenachaenia (Sch.-Bip. ex Klatt) K. & R. (*Eupatorium*) Mexico 19

adenophora (Spreng.) K. & R. (*Eupatorium*) India, Mexico, US, South America, Australia 19,100,229,233

aegiophylla (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19

allenii (Standl.) K. & R. (*Eupatorium*) 85

almedae K. & R. 1978 Costa Rica 168

altissima (L.) K. & R. (*Eupatorium*, *Ageratum*) US 19,85,229,230,233

ambylepis (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,128

ampla (Benth.) K. & R. (*Eupatorium*) Colombia 19,168

anchista (Grashoff & Beaman) K. & R. (*Eupatorium*) Guatemala, Honduras 85

angustifolia (H.B.K.) K. & R. (*Mikania*) Colombia 19,168

anisochroma (Klatt) K. & R. (*Eupatorium*) Costa Rica 19,85,229,230

apollinairei (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 19

arbutifolia (Benth.) K. & R. (*Eupatorium*) Colombia 19,168

aristeguietii K. & R. 1977 Venezuela 162

aristei (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 19,168

aromatica (L.) Spach (*Eupatorium*, *Kyrstenia*) US 11,19,229,233

arsenei (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,100

articulata (Sch.-Bip. ex Heiron.) K. & R. (*Eupatorium*) Venezuela 19

aschenborniana (Schauer) K. & R. (*Eupatorium*) Mexico, Central America 19,85,100,125, 168,229,230,233

atrocordata (B.L. Robins.) K. & R. (*Eupatorium*) Mexico, Guatemala 19,168

austin-smithii K. & R. 1974 Costa Rica 128

azangoroensis (Sch.-Bip. ex Wedd.) K. & R. (*Eupatorium*) Ecuador, Peru 19,230

baccharoides (H.B.K.) K. & R. (*Eupatorium*) Colombia 19,168

badia (Klatt) K. & R. (*Eupatorium*) Costa Rica, Mexico 19,85,128

barbensis K. & R. 1972 Costa Rica 85,128,230

bellidifolia (Benth.) K. & R. (*Eupatorium*) Mexico 19,100,230

betulifolia (Greene) K. & R. (*Kyrstenia*) Colombia 19

†bimatra (Standl. & L.O. Williams) K. & R. (*Eupatorium*) 19 = *Ageratina moliniae* 85 = *Fleischmannia microstemon* 229

blepharilepis (Sch.-Bip.) K. & R. (*Eupatorium*) Mexico 19,100

boyacensis K. & R. 1972 Colombia 85,168

brandegeana (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19

brevipes (DC.) K. & R. (*Eupatorium*) Mexico 19,100

burgeri K. & R. 1972 Costa Rica 85

bustumanta (DC.) K. & R. (*Eupatorium*) Mexico 19,168

caeciliae (B.L. Robins.) K. & R. (*Eupatorium*) Guatemala 19

calaminthifolia (H.B.K.) K. & R. (*Eupatorium*) Mexico 19,100

calderillensis (Heiron.) K. & R. (*Eupatorium*) Bolivia 19

calophylla (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,100

camachensis (Heiron.) K. & R. (*Eupatorium*) Bolivia 19

campyloclada (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,100

cardiophylla (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,100,168

carmonis (Standl. & Steyermark) K. & R. (*Eupatorium*) Mexico, Guatemala 168,207

cartagoensis K. & R. 1972 Costa Rica 85

cerifera (McVaugh) K. & R. (*Eupatorium*) Mexico 85,100

*Ageratina* continued

*chachapoyasensis* (Cuatrecasas) K. & R. (*Eupatorium*) Peru 19,168  
*chapalensis* (Wats.) K. & R. (*Eupatorium*) Mexico 19  
*†chiapensis* (B.L. Robins.) K. & R. (*Eupatorium*) 19,100 = *Ageratina vernalis* 232  
*chiriquensis* (B.L. Robins.) K. & R. (*Eupatorium*) Panama 19,85,229  
*choricephala* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,100  
*choricephaloides* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 19  
*ciliata* (Less.) K. & R. (*Eupatorium*) Mexico 19  
*collodes* (B.L. Robins. & Greenm.) K. & R. (*Eupatorium*) Mexico 19  
*conspicua* (Kunth & Bouche) K. & R. (*Eupatorium*) Mexico 19,230  
*contorta* (C.D. Adams) K. & R. (*Eupatorium*) Jamaica 85  
*corylifolia* (Griseb.) K. & R. (*Eupatorium*) West Indies 19  
*costaricensis* K. & R. 1972 Costa Rica 85,229,230  
*crassiceps* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 19,168  
*†crassiramea* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico, Central America 19 =  
*Pachythamnus crassirameus* 66  
*cremasta* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19  
*crenata* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,100  
*croatii* K. & R. 1975 Panama 135,229  
*cronquistii* K. & R. 1978 Mexico 168  
*cuatrecasasii* K. & R. 1972 Colombia 85,168  
*cuencana* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 19  
*cupressora* (Standl. & Steyermark) K. & R. (*Eupatorium*) 85 = *Piptothrix areolare* 232  
*cutervoensis* (Heiron.) K. & R. (*Eupatorium*) Ecuador, Peru 19  
*cuzcoensis* (Heiron.) K. & R. (*Eupatorium*) Peru 19,168  
*cylindrica* (McVaugh) K. & R. (*Eupatorium*) Mexico 85,100  
*dasyneura* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 19  
*davidsei* K. & R. 1978 Colombia 168  
*deltoides* (Jacq.) K. & R. (*Eupatorium*) Mexico 19  
*dendroides* (Spreng.) K. & R. (*Eupatorium*) Ecuador 19,164,168  
*desquamans* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19  
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*diversipila* K. & R. 1972 Costa Rica 85  
*dolichobasis* (McVaugh) K. & R. (*Eupatorium*) Mexico 85,100  
*dombeyana* (DC.) K. & R. (*Eupatorium*) Peru 19,168  
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*eniza* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,168  
*ernstii* K. & R. 1978 Mexico 168  
*esmeraldae* (Cuatrecasas) K. & R. (*Eupatorium*) Ecuador 85  
*espinosara* (Gray) K. & R. (*Eupatorium*) Mexico 19,100  
*etensis* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19  
*exertovenosa* (Klatt) K. & R. (*Eupatorium*) Ecuador 19,168,230  
*fastigiata* (H.B.K.) K. & R. (*Eupatorium*) Colombia 19,168  
*flaviseta* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 19,168  
*flourensifolia* (B.L. Turner) K. & R. (*Eupatorium*) 204  
*†fosbergii* K. & R. 1974 Guatemala 128 = *Ageratina atrocordata* 168  
*funcii* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 19  
*geminata* (McVaugh) K. & R. (*Eupatorium*) Mexico 85,100  
*gilbertii* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 19  
*glabrata* (H.B.K.) K. & R. (*Eupatorium*) Mexico 19,168  
*glandulifera* (Heiron.) K. & R. (*Eupatorium*) Ecuador 19,162

*Ageratina* continued

*glaucia* (Sch.-Bip. ex Klatt) K. & R. (*Eupatorium*) Mexico 19  
*glechonophylla* (Less.) K. & R. (*Eupatorium*) Chile, Ecuador 19  
*glischra* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19  
*gloclada* (B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 19,168  
*glyptophlebia* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 19,168  
*gracilenta* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 19  
*gracilis* (H.B.K.) K. & R. (*Eupatorium*) Colombia 19  
*grandidentata* (DC.) K. & R. (*Eupatorium*) Mexico 19  
*gynoxioides* (Wedd.) K. & R. (*Eupatorium*) Colombia 19,168,202  
*halberiana* (McVaugh) K. & R. (*Eupatorium*) Mexico 85,100  
*hartii* (Urban) K. & R. (*Eupatorium*) Jamaica 19  
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*hederifolia* (Gray) K. & R. (*Eupatorium*) Mexico 19  
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*hintonii* K. & R. 1974 Mexico 128  
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*iodotricha* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 19  
*irrassa* (B.L. Robins.) K. & R. (*Eupatorium calaminthifolium* var. *irrasum*) Mexico 19  
*isolepis* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,85  
*izioclada* (Benth. ex Oerst.) K. & R. (*Eupatorium*) Costa Rica 19,85,229,230  
*jahnii* (B.L. Robins.) K. & R. (*Eupatorium*) Venezuela 19,168  
*kupperi* (Suesseng.) K. & R. (*Eupatorium*) Costa Rica 19,85  
*lasia* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,85  
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*lemonii* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,85,100  
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*miquihuana* (B.L. Turner) K. & R. (*Eupatorium*) Mexico 164,204  
*modesta* (Kunth) K. & R. (*Eupatorium*) Mexico 85  
*molinae* K. & R. 1972 85 = *Fleischmannia microstemon* 229  
*mortoniana* (Alain) K. & R. (*Eupatorium*) Cuba 19  
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*pomaderrifolia* (Benth.) K. & R. (*Eupatorium*) Colombia 19,168  
*popayanensis* (Heiron.) K. & R. (*Eupatorium*) Colombia 19,168  
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*pringlei* (B.L. Robins. & Greenm.) K. & R. (*Eupatorium*) Mexico 19,230  
*prionobia* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19  
*proba* (N.E. Brown) K. & R. (*Eupatorium*) Peru 164  
*prunellifolia* (H.B.K.) K. & R. (*Eupatorium*) Mexico 19,100,232  
*prunifolia* (H.B.K.) K. & R. (*Eupatorium*) Ecuador 19,168  
*pseudochilca* (Benth.) K. & R. (*Eupatorium*) Ecuador 19,168,230  
*psilodora* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 19,168  
*purpusii* (Brandeg.) K. & R. (*Eupatorium*) Baja California 19,100  
*rafaelensis* (Coutl.) K. & R. (*Eupatorium*) Mexico 19  
*ramonensis* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19  
*remiana* (Phil.) K. & R. (*Eupatorium*) 207  
*repens* (B.L. Robins.) K. & R. (*Fleischmannia*) Mexico 18,19  
*resiniflora* (Urban) K. & R. (*Eupatorium*) Puerto Rico 19  
*reticulifera* (Standl. & Williams) K. & R. (*Eupatorium*) Costa Rica 19,85,168  
*rhodopappa* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 19  
*rhodopoda* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19  
*rhomboidea* (H.B.K.) K. & R. (*Eupatorium*) Mexico 19,100  
*rhypodes* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 19

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*rhytidodes* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 19  
*riparia* (Regel) K. & R. (*Eupatorium*) Mexico, West Indies, Australia 19,229,233  
*rivalis* (Regel) K. & R. (*Eupatorium*) Mexico 19  
*roraimensis* (N.E. Brown) K. & R. (*Eupatorium*) British Guiana, Venezuela 19  
*rothrockii* (Gray) K. & R. (*Eupatorium*) US, Mexico 19  
*rubricaulis* (H.B.K.) K. & R. (*Eupatorium*) Mexico 19,100  
*rufa* (Greene) K. & R. (*Kyrstenia*) Mexico 19  
*rupicola* (B.L. Robins. & Greenm.) K. & R. (*Eupatorium*) Mexico 19  
*salicifolia* K. & R. 1978 Mexico 168  
*saltillensis* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19  
*salvadorensis* K. & R. 1978 El Salvador 168  
*schaffneri* (Sch.-Bip. ex B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,100  
*scopulora* (Wedd.) K. & R. (*Eupatorium*) Peru 19,85  
*scorodoniooides* (Gray) K. & R. (*Eupatorium*) Mexico 19,100  
*shastensis* (Taylor & Stebbins) K. & R. (*Eupatorium*) 190  
*simulans* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 19,168  
*sinaloensis* K. & R. 1978 Mexico 168  
*skutchii* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico, Central America 19  
*sodiroi* (Heiron.) K. & R. (*Eupatorium*) Ecuador 19  
*sotarenensis* (Heiron.) K. & R. (*Eupatorium*) Colombia 19  
*standleyi* K. & R. 1972 Costa Rica 85  
*sternbergiana* (DC.) K. & R. (*Eupatorium*) Peru 19,85  
*steviooides* (Steyermark) K. & R. (*Eupatorium*) Venezuela 19,168  
*stictophylla* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 19,168  
*stricta* (Gray) K. & R. (*Eupatorium*) Mexico 19  
*subcordata* (Benth. ex Oerst.) K. & R. (*Eupatorium*) Costa Rica 19,85,101,230  
*subferruginea* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 19,168  
*subglabra* K. & R. 1972 Costa Rica 85  
*subinclusa* (Klatt) K. & R. (*Eupatorium*) 164,168,232  
*subintegra* (Greene) K. & R. (*Kyrstenia*) Mexico 19,100  
<sup>†</sup>*subpenninervia* (Sch.-Bip. ex Klatt) K. & R. (*Eupatorium*) 164 = *Ageratina subinclusa*  
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*tambillensis* (Heiron.) K. & R. (*Eupatorium*) Peru 19  
*tarmensis* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 19  
*tenuis* (R.E. Fries) K. & R. (*Eupatorium*) Argentina 19  
*tetragona* (Schrad.) K. & R. (*Eupatorium*) Mexico 19  
*theifolia* (Benth.) K. & R. (*Eupatorium*) Colombia, Venezuela 19,168  
*thrysiflora* (Greene) K. & R. (*Kyrstenia*) Mexico 19,100  
*tinifolia* (H.B.K.) K. & R. (*Eupatorium*) Colombia 19,85,168  
*tomentella* (Schrad.) K. & R. (*Eupatorium*) Mexico 19  
*tonduzii* (Klatt) K. & R. (*Eupatorium*) Costa Rica 19,85  
*trapezoidea* (Kunth) K. & R. (*Eupatorium*) Mexico 85  
*triniona* (McVaugh) K. & R. (*Eupatorium*) Mexico 85,100  
*tristis* (DC.) K. & R. (*Eupatorium*) Jamaica 19  
*urbanii* (Ekman ex Urban) K. & R. (*Eupatorium*) Haiti 19  
*vacciniifolia* (Benth.) K. & R. (*Eupatorium*) Colombia 19,168  
*vallincola* (DC.) K. & R. (*Eupatorium*) Peru 19  
*ventillana* (Cuatrecasas) K. & R. (*Eupatorium*) Peru 19  
*venulosa* (Gray) K. & R. (*Eupatorium*) Mexico 19  
*vernalis* (Vatke & Kuritz) K. & R. (*Eupatorium*) Mexico, Guatemala 19,100,232  
*vernucosa* (Sch.-Bip. ex Greenm.) K. & R. (*Eupatorium*) Mexico 19

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*viburnoides* (DC.) K. & R. (*Eupatorium*) Mexico 19  
*viscosa* (H.B.K.) K. & R. (*Eupatorium*) Colombia 19,85,164,168  
*viscosissima* (Rolle) K. & R. (*Eupatorium*) Mexico 100,207  
*vulcanica* (Benth. ex Oerst.) K. & R. (*Eupatorium*) Central America 19,85  
*whitei* K. & R. 1974 Panama 128  
*wrightii* (Gray) K. & R. (*Eupatorium*) Mexico, US 19,100  
*wurdackii* K. & R. 1978 Peru 168  
*zanthochlora* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 19,168  
*zinifolia* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 19,90  
*zunilana* (Standl. & Steyerl.) K. & R. (*Eupatorium*) Guatemala 19  
*Ageratinastrum* Mattf. 1932 (*Ageratina* O. Hoffm.) 11  
*goetzeanum* (O. Hoffm.) Mattf. (*Ageratina*) 11  
†*Ageratiopsis* Sch.-Bip. ex Benth. & Hook. nom. nud. 1873 = *Ageratina* 11,19,229  
†*ageratoides* (L.) Sch.-Bip. ex Benth. & Hook. (*Eupatorium*) 11 = *Ageratum altissimum*  
229 = *Ageratina altissima* 19  
*Ageratum* L. 1753 40 spp. 11,13,44,87,89,131,184,193,194,235  
*albidum* (DC.) Hemsl. 1881 Mexico 88  
†*album* Willd. ex Steud. 1821 nom. nud. = *Ageratum conyzoides* 229  
†*altissimum* L. 1753 = *Ageratina altissima* 19  
†*arbutifolium* H.B.K. 1818 = *Phania arbutifolia* 11 = *Oxylobus arbutifolia* 157  
*ballotifolium* (Maguire, Steyerl. & Wurdack) K. & R. (*Alomia*) Venezuela 88  
*benjamin-lincolni* K. & R. 1972 (*Alomia guatemalensis*) Guatemala 88,229  
†*campuloclinioides* Baker 1876 = *Campuloclinium campuloclinioides* 130  
*candidum* Barroso 1965 Brasil 88  
*chiriquense* (B.L. Robins.) K. & R. (*Alomia*) Panama 88  
*chorianum* Standl. & Steyerl. 1944 Guatemala, Honduras 88  
*coeruleum* (Cass.) K. & R. (*Coelestina*, *Caelestina*) 11,233  
†*coeruleum* Sieber ex Baker 1876 nom. nud. = *Hebeclinium macrophyllum* 229  
†*connatifolium* Soares Nunes 1981 = *Acrithopappus connatifolius* 204  
*conyzoides* L. 1753 India, Hong Kong 11,88,100,114,229,232,233  
†*confertum* (Gardn.) Benth. & Hook. (*Decachaeta*) 16 = *Acrithopappus confertus* 109  
*cordifolium* Roxb. 1832 = *Ageratum conyzoides* 229  
†*corymbosum* (DC.) Baker (*Agrianthus*) = *Stylotrichum corymbosum* 186  
*corymbosum* Zuccag. ex Pers. 1807 US, Mexico, Central America 88,100  
*dominguense* Spreng. excluded by K. & R. but did not say where 88  
*echioides* (Less.) Hemsl. (*Isocarpha*) Mexico, Guatemala 88,100,232  
*klassocarpum* Blake 1924 Mexico 88  
*ellipticum* B.L. Robins. 1930 Belize 88  
*fastigiatum* (Gardn.) K. & R. (*Isocarpha*) Brasil 88  
†*febrifugum* Ses. ex DC. 1836 nom. nud. = *Piqueria trinervia* 229  
*gaumeri* B.L. Robins. 1911 Guatemala, Mexico 88,234  
†*glomeratum* Barroso & King 1971 228 = *Calvancantia glomerata* 195  
*guatemalense* Johnson 1971 Guatemala 88  
†*guianense* Aubl. 1775 = *Hebeclinium macrophyllum* 229  
†*heterolepis* Baker 1876 = *Acrithopappus heterolepis* 189  
†*hirsutum* Lam. 1810 = *Ageratum conyzoides* 229  
†*hirtum* Lam. 1783 = *Ageratum conyzoides* 229  
*houstonianum* Mill. 1768 Mexico, Central America, West Indies, Colombia 88,100,164,  
229,230,232,233  
†*humile* Salisb. 1796 = *Ageratum conyzoides* 229  
*ultissimum* K. & R. 1974 Ecuador 118

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*isocarphoides* (DC.) Hemsl. 1881 Mexico 88,232,234  
*latifolium* Cav. Peru 229  
*littorale* Gray 1880 US, West Indies, Belize 88  
*lucidum* B.L. Robins. 1901 Mexico 88,100  
*kundellii* K. & R. 1978 Guatemala 234  
*maritimum* H.B.K. 1818 Mexico, West Indies 88  
†*melissifolium* DC. 1836 = *Sympyopappus melissifolius* = *Platypodanthera melissifolia* 94  
†*mezicanum* Sims = *Ageratum houstonianum* 229  
*microcarpum* (Benth. ex Oerst.) Hemsl. (*Coelestina*, *Alomia*) Costa Rica, Honduras,  
Nicaragua 88,229,232  
*microcephalum* Hemsl. 1881 Mexico 88  
†*micropappum* Baker 1876 = *Acriopappus micropappus* 166  
†*microphyllum* Sch.-Bip. = *Ageratella microphylla* 7  
*myriadienum* (Sch.-Bip. ex Baker) K. & R. (*Alomia*) Brasil 88  
*nelsonii* (B.L. Robins.) M.F. Johnson 1971 Guatemala, Mexico 88,230,234  
*oerstedii* B.L. Robins. 1913 Costa Rica 88  
*oliveri* K. & R. 1974 Panama 126,227  
*paleaceum* (DC.) Hemsl. 1881 Mexico 88,100  
*panamense* B.L. Robins. 1934 (*Ageratum rivale* B.L. Robins.) Panama 229  
*peckii* B.L. Robins. 1911 Belize 88  
*perplexans* M.F. Johnson 1971 Bolivia 88  
*petiolatum* (H. & A.) Hemsl. 1881 Costa Rica, Nicaragua, Panama 88,229  
*pinetorum* (L.O. Williams) K. & R. (*Alomia*) Honduras 88  
*platylepis* (B.L. Robins.) K. & R. (*Alomia*) Guatemala 88,234  
*platyptodium* B.L. Robins. 1913 Mexico 88,100  
*radicans* B.L. Robins. 1911 Belize 88  
†*reedii* K. & R. 1972 Costa Rica 88 = *Ageratum petiolatum* 229  
*riparium* B.L. Robins. 1913 Costa Rica, Panama 88,229  
†*rivale* B.L. Robins. 1934 = *Ageratum panamense* 229  
*rivale* Ses. & Moc. 1889 229  
†*robinsonianum* (L.O. Williams) L.O. Williams (*Alomia*) = *Ageratum rugosum* 164  
*rugosum* Coult. 1895 Mexico, Central America 88,164,230  
*scopoideum* Baker 1876 Guayana 88  
†*sessilifolium* Schauer 1847 = *Trichocoronis sessilifolia* 27  
*stachyosolum* B.L. Robins. 1901 Mexico 88  
*standleyi* B.L. Robins. 1930 Honduras 88  
*tomentosum* (Benth. ex Oerst.) Hemsl. 1881 Mexico, Costa Rica 88  
†*twendlandii* B.L. Robins. 1913 = *Ageratum rugosum* 164 = *Ageratum houstonianum* 229  
†*wrightii* Gray 1849 = *Trichocoronis wrightii* 27  
*Agrianthus* Mart. ex DC. 1836 6 spp. 70,96,175,177,184,185,233,235  
*campestris* Mart. ex DC. 1836 Brasil 11  
†*corymbosum* DC. = *Ageratum corymbosum* (DC.) Baker = *Stylotrichum corymbosum* 186  
*Alomia* H.B.K. 1818 5 spp. 11,102,109,165,189,193,228,232,233,235  
*ageratooides* H.B.K. 1818 Mexico 11,87  
†*angustata* (Gardn.) Benth. (*Piqueria*) = *Gardnerina angustata* 206  
*alata* Hemsl. 1881 Mexico 87  
†*ballotifolia* Maguire, Steyermark. & Wurdack 1957 = *Ageratum ballotifolium* 88  
*callosa* (Wats.) B.L. Robins. 1913 Mexico 87,100  
†*chiriquensis* B.L. Robins. 1920 = *Ageratum chiriquense* 88  
†*cinerea* Benth. ex Baker 1876 = *Trichogonia cinerea* 92  
†*cordata* Blake 1947 = *Blakeanthus cordatus* 88,89

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†*dubia* B.L. Robins. 1906 = *Trichogonia dubia* 92  
 †*guatemalensis* B.L. Robins. 1913 = *Ageratum benjamin-lincolni* 88  
*hintonii* K. & R. 1972 Mexico 87  
 †*longifolia* (Gardn.) B.L. Robins. (*Decachaeta*) 16 = *Acritopappus longifolius* 88  
 †*microcarpa* (Benth. ex Oerst.) B.L. Robins. (*Coelestina*) = *Ageratum microcarpum* 229  
 †*myriadenia* Sch.-Bip. ex Baker 1876 = *Ageratum myriadenium* 88  
 †*pinetorum* L.O. Williams 1964 = *Ageratum pinetorum* 88  
 †*platylepis* B.L. Robins. 1913 = *Ageratum platylepis* 88  
 †*pohlii* Baker 1876 = *Teizeiranthus pohlii* 212  
 †*regnellii* Malme 1899 = *Alomiella regnellii* 107  
 †*robinsoniana* L.O. Williams 1964 = *Ageratum robinsonianum* = *Ageratum rugosum* 164  
*stenolepis* Blake 1937 Mexico 87  
 †*twendlandii* B.L. Robins. 1913 = *Ageratum rugosum* 164  
*Alomiella* K. & R. 1972 2 spp. 87,221,233  
*regnellii* (Malme) K. & R. (*Alomia*) Brasil 107  
*Amboroa* Cabrera 1956 2 spp. 233,235  
*geminata* Cabrera 1956 Bolivia 11  
*wurdackii* K. & R. 1975 Peru 147  
 †*Ammopursus* Small 1924 = *Liatris* 11,225,233  
 †*tohlingerae* (Blake) Small (*Lacinaria*) = *Liatris* 11  
*Amolinia* K. & R. 1972 1 sp. 99,176,233  
*heydeana* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 99  
*Antillia* K. & R. 1971 1 sp. 42,43,233,235  
*brachychaeta* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 43  
*Aristeguietia* K. & R. 1975 22 spp. 139,142,196,208,217,233  
*amethystina* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 139  
*anisodonta* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 139  
*arborea* (H.B.K.) K. & R. (*Eupatorium*) 139  
*ballii* (Oliver) K. & R. (*Eupatorium*) Peru 139  
*buddleifolia* (Benth.) K. & R. (*Eupatorium*) Ecuador 139,230  
*cacalioides* (H.B.K.) K. & R. (*Eupatorium*) Ecuador 139  
*chimborazensis* (Heiron.) K. & R. (*Eupatorium*) Ecuador 139  
*cursonii* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 139  
*dielsii* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 139,230  
*diplodictyon* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 139  
*discolor* (DC.) K. & R. (*Eupatorium*) Peru 139  
*gascae* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 139  
*gayana* (Wedd.) K. & R. (*Eupatorium*) Peru 139  
*glutinosa* (Lam.) K. & R. (*Eupatorium*) Ecuador 139,230  
*lamijolia* (H.B.K.) K. & R. (*Eupatorium*) Colombia, Ecuador 58,139  
 †*perezoides* (B.L. Robins.) K. & R. (*Eupatorium*) 139 = *Bartlettina perezoides* 197  
*persicifolia* (H.B.K.) K. & R. (*Eupatorium*) Ecuador 139  
*pseudoarborea* (Heiron.) K. & R. (*Eupatorium*) Peru 139  
*salvia* (Colla) K. & R. (*Eupatorium*) Chile 58,139  
*tahonensis* (Heiron.) K. & R. (*Eupatorium*) Peru 139  
*tatamensis* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 139  
 †*Arrojadoa* Mattf. 1923 = *Arrojadocharis* 11,233  
 †*prazeliooides* Mattf. 1923 = *Arrojadocharis prazeliooides* 11,184  
*Arrojadocharis* Mattf. 1930 2 spp. 177,185,233,235 (*Arrojadoa*)  
*prazeliooides* (Mattf.) Mattf. (*Arrojadoa*) Brasil 11,184  
*santosii* K. & R. 1979 Brasil 184

*Artemisia* 11  
*tenuisolia* Willd. = *Traganthes tenuisolia* = *Eupatorium capillifolium* 11  
*Asanthus* K. & R. 1972 3 spp. 79,165,233  
*solidaginifolius* (Gray) K. & R. (*Brickellia*) Mexico 79  
*squamulosus* (Gray) K. & R. (*Brickellia*) Mexico, US 79  
*thyrsiflorus* (Gray) K. & R. (*Brickellia*) Mexico 79,100  
*Aschenbornia* Schauer 1847 11  
*heteropoda* Schauer 1847 11  
*Ascidioxyne* Cuatrecasas 1965 2 spp. 11,131  
*wurdackii* Cuatrecasas 1965 Peru 7,11,233  
*Asplundianthus* K. & R. 1975 9 spp. 141,233  
*arcuans* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 141  
*densus* (Benth.) K. & R. (*Eupatorium*) Colombia 141  
*pseudogloomeratus* (Heiron. ex Sodiro) K. & R. (*Eupatorium*) Ecuador 141,230  
*pseudostueblii* K. & R. 1975 Colombia 141,142  
*sagasteguia* K. & R. 1978 Peru 180  
*scabrifolius* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 141,180  
*smilacinus* (H.B.K.) K. & R. (*Eupatorium*) Colombia 141  
*stueblii* (Heiron.) K. & R. (*Eupatorium*) Ecuador 141,180  
*toroi* (B.L. Robins.) K. & R. 1934 (*Eupatorium*) Colombia 141  
*trachyphyllus* (Heiron.) K. & R. (*Eupatorium*) Peru 141  
*Astrobrickellia* K. & R. 1972 3 spp. 82,165,233  
*arnottii* (Baker) K. & R. (*Eupatorium*) Brasil 82  
*bakeriana* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 82  
*patens* (Don ex H. & A.) K. & R. (*Eupatorium*) South America 82  
*Astrocritonia* K. & R. 1975 4 spp. 143,199,233  
*angulicaulis* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 39,143  
*rosea* (Gardn.) K. & R. (*Eupatorium*) Brasil 143  
*taunayana* (Glaziou ex B.L. Robins.) K. & R. (*Eupatorium*) Brasil 164  
*velutina* (Gardn.) K. & R. (*Eupatorium*) Brasil 143  
*Astroeupatorium* K. & R. 1970 11 spp. 24,26,183,226,227,235  
*apense* (Chod.) K. & R. (*Eupatorium*) 215  
*chaparensis* (B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 26  
*decemflorum* (DC.) K. & R. (*Eupatorium*) 190 = *Astroeupatorium inulifolium* 229  
*entreriense* (Heiron.) K. & R. (*Eupatorium*) Uruguay 26  
*inulifolium* (H.B.K.) K. & R. (*Eupatorium*) South America 26,155,190,215,229,230,233  
*laetevirens* (H. & A.) K. & R. (*Eupatorium*) Brasil, Paraguay 26  
*†mapiriense* (Heiron.) K. & R. (*Eupatorium*) 26 = *Astroeupatorium decemflorum* 190  
*monardifolium* (Walp.) K. & R. (*Eupatorium*) 26 = *Astroeupatorium silphiifolium* 215  
*morii* K. & R. 1982 Brasil 212  
*neglectum* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 26  
*paulinum* (DC.) K. & R. (*Eupatorium*) Brasil 26  
*petrophilum* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 26  
*picturatum* (Malme) K. & R. (*Eupatorium*) Brasil 26  
*rosmarinaceum* (Cabrera & Vittel) K. & R. (*Eupatorium*) 207  
*rosmarinifolium* (Ses. & Moc.) K. & R. (*Eupatorium*) Brasil 26  
*silphiifolium* (Mart.) K. & R. (*Eupatorium*) Brasil 26,212,215,229  
*†tweedianum* (H. & A.) K. & R. (*Eupatorium*) 26 = *Hatschbachiella tweediana* 71  
*Ayapana* Spach 1841 15 spp. 31,40,97,100,103,104,106,107,194,228,235  
*amygdalina* (Lam.) K. & R. (*Eupatorium*) Costa Rica, Venezuela, Bolivia 30,159,229,233  
*ecuadoriensis* K. & R. 1976 Ecuador 159,230  
*elata* (Steetz) K. & R. (*Eupatorium*) Peru, Central America 114,159,229

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*haughtii* K. & R. 1976 Colombia 159  
*hylophila* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 30,159  
*jaramillii* K. & R. 1970 Colombia 30,159  
*lanceolata* K. & R. 1976 Peru 159  
*†officinalis* Spach 1841 = *Ayapana triplinervis* 30  
*ornatiloba* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 30  
*ornithophora* (B.L. Robins.) K. & R. (*Eupatorium*) 32,159  
*pilluanensis* (Heiron.) K. & R. (*Eupatorium*) 159  
*†pyramidalis* (Klatt) K. & R. (*Eupatorium*) 30 = *Ayapana stenolepis* 156  
*squarrosa* (Klatt) K. & R. (*Lepidessmia*) Venezuela 30,159,229  
*stenolepis* (Steetz) K. & R. (*Eupatorium*) Bolivia, Panama 156,159,229  
*tovarensis* (B.L. Robins.) K. & R. (*Eupatorium*) Venezuela 30,159  
*trinitensis* (Kuntze) K. & R. (*Baccharis*) Colombia, Trinidad, Venezuela 30,159  
*triplinervis* (Vahl) K. & R. (*Eupatorium*) West Indies 30,159,190,233  
*turbacensis* (Heiron.) K. & R. (*Eupatorium*) Colombia 30,159  
*Ayapanopsis* K. & R. 1972 15 spp. 103,104,106  
*adenophora* K. & R. 1971 Bolivia 103  
*andina* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 103  
*cuchabensis* (B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 147  
*didyma* (Klatt) K. & R. (*Eupatorium*) Bolivia 103  
*esperanzae* (Hassl.) K. & R. (*Eupatorium*) Paraguay 103  
*euphyes* (B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 103  
*ferreyrii* K. & R. 1975 Peru 146  
*garcia-barrigae* K. & R. 1972 Colombia 103  
*latipaniculata* (Rusby) K. & R. (*Eupatorium*) Bolivia 103  
*mathewsi* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 103  
*oblongifolia* (Gardn.) K. & R. (*Bulbostylis*) 207  
*tarapensis* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 103,147  
*triosteifolia* (Rusby) K. & R. (*Eupatorium*) Bolivia 103  
*trizoides* (Baker) K. & R. (*Eupatorium*) Brasil 103  
*tucumanensis* (Lillo & B.L. Robins.) K. & R. (*Eupatorium*) Argentina 103  
*vargasii* K. & R. 1972 Peru 103,233

*Baccharis*

*†candolleana* Steud. 1840 = *Nothobaccharis candolleana* 174  
*†crenulata* Spreng. 1826 = *Raulinoreitzia crenulata* 53  
*†microphylla* DC. 1836 = *Brickellia microphylla* = *Nothobaccharis candolleana* 174  
*Badilloa* K. & R. 1975 9 spp. 92,142,150  
*atrescens* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 208,233  
*drepanoides* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 142  
*helianthifolia* (H.B.K.) K. & R. (*Eupatorium*) Peru 142  
*herrerae* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 142  
*procera* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 142  
*salicina* (Lam.) K. & R. (*Eupatorium*) Colombia, Ecuador 142  
*sonsonensis* K. & R. 1975 Colombia 142  
*sphagnophila* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 142  
*steetzii* (B.L. Robins.) K. & R. (*Eupatorium*) Venezuela 142  
*venezuelensis* (Badillo) K. & R. (*Eupatorium*) Venezuela 142  
*Bahianthus* K. & R. 1972 1 sp. 70,96,175,177,185,191,233,235  
*viscosus* (Spreng.) K. & R. (*Mikania*) Brasil 70  
*Barrosoa* K. & R. 1971 12 spp. 33,34,35,68,70,97,98,203,213,233  
*apiculata* (Gardn.) K. & R. (*Eupatorium*) Brasil 95

*Barrosoa* continued

*betoniciformis* (DC.) K. & R. (*Conoclinium*) Argentina, Bolivia, Brasil, Paraguay 34  
*cabrerae* (B.L. Robins.) K. & R. (*Eupatorium*) Argentina, Uruguay? 34  
*candolleana* (H. & A.) K. & R. (*Eupatorium*) South America 34,150  
*confluentis* (B.L. Robins.) K. & R. (*Eupatorium*) 207  
*metensis* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 95  
*morichalana* (Aristeguieta) K. & R. (*Eupatorium*) Colombia, Venezuela 34  
*organensis* (Gardn.) K. & R. (*Eupatorium*) Brasil 95  
*ramboi* (Cabrera) K. & R. (*Eupatorium*) Brasil 34  
*triaene* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 95  
*viridiflora* (Baker) K. & R. (*Conoclinium*, *Eupatorium*) Brasil 34,95

*Barrosoea* Gray 1880 1 sp. 11,81,100,165,204,233  
 †*glutinosa* Brandeg. 1908 = *Phanerostylis glutinosa* 81  
*setosa* Gray 1880 Mexico 11  
*subuligera* Gray 1880 Mexico 11,100

*Bartlettina* K. & R. 1971 28 spp. 61,138,147,162 (*Neobartlettia*)  
*breedlovei* K. & R. 1974 Mexico, Guatemala 125,230,233  
*brevipetiolata* (Sch.-Bip. ex Klatt) K. & R. (*Hebeclinium*, *Neobartlettia*) Mexico 36,37,61  
*campii* K. & R. 1981 Ecuador 208  
*chiriquensis* K. & R. 1977 Panama 167  
*cleefii* K. & R. 1980 Colombia 197,208  
*constipiflora* (Klatt) K. & R. (*Eupatorium*, *Neobartlettia*) Mexico 36,61  
*cronquistii* K. & R. 1977 Mexico 167  
*ehrenbergii* (Hemsl.) K. & R. (*Eupatorium*, *Neobartlettia*) 36,61  
*guatemalensis* K. & R. 1974 Guatemala 125,230  
*hastifera* (Standl. & Steyermark) K. & R. (*Eupatorium*, *Neobartlettia*) Guatemala 36,61, 167,232  
*hemisphaerica* (DC.) K. & R. (*Eupatorium*) 61  
*hintonii* K. & R. 1975 Mexico 145  
*hylobia* (B.L. Robins.) K. & R. (*Eupatorium*, *Neobartlettia*) Mexico 36,61,125  
*karwinskiana* (DC.) K. & R. (*Eupatorium*, *Neobartlettia*) Mexico 36,61,167  
*kesneri* K. & R. 1980 Venezuela 197  
*luzii* (B.L. Robins.) K. & R. (*Eupatorium*, *Neobartlettia*) Guatemala 36,61  
*macdougallii* K. & R. 1977 Mexico 167  
*macrocephala* (Benth.) K. & R. (*Hebeclinium*) Mexico, Guatemala 99  
*macromeris* (B.L. Robins.) K. & R. (*Eupatorium*) 207  
*matudae* K. & R. 1974 Mexico 125  
*mazonii* (B.L. Robins.) K. & R. (*Eupatorium*, *Neobartlettia*) Panama 36,61,229  
*montigena* (Standl. & Steyermark) K. & R. (*Eupatorium*) Guatemala 167  
*oresbia* (B.L. Robins.) K. & R. (*Eupatorium*, *Neobartlettia*) Mexico 36,61,100  
*oresbiooides* (B.L. Robins.) K. & R. (*Eupatorium*, *Neobartlettia*) Guatemala, Mexico 36, 61,125  
*paezensis* (Heiron.) K. & R. (*Eupatorium*, *Neobartlettia*) Colombia 36,61  
*pansamalensis* (B.L. Robins.) K. & R. (*Eupatorium*, *Neobartlettia*) Guatemala, Mexico 36, 61  
*perezioides* (B.L. Robins.) K. & R. (*Eupatorium*, *Aristeguieta*) Colombia 139,197  
*pinabetensis* (B.L. Robins.) K. & R. (*Eupatorium*, *Neobartlettia*) Guatemala, Mexico 36, 61,145,167  
*platyphylla* (B.L. Robins.) K. & R. (*Eupatorium*, *Neobartlettia*) Mexico, Central America 36,61,167,229  
*prionophylla* (B.L. Robins.) K. & R. (*Eupatorium*, *Neobartlettia*) Guatemala, Costa Rica 36,61,229

*Bartlettina* continued

*rueae* (Standl.) K. & R. (*Eupatorium, Neobartlettia*) Honduras 36,61  
*silvicola* (B.L. Robins.) K. & R. (*Eupatorium*) Costa Rica 167  
*sordida* (Less.) K. & R. (*Eupatorium, Neobartlettia*) Mexico 36,37,61,125,230  
*tenoreae* (Aristeguieta) K. & R. (*Eupatorium*) Venezuela 162,176,197  
*tuerckheimii* (Klatt) K. & R. (*Eupatorium, Neobartlettia*) Mexico, Guatemala, Honduras  
 36,61,145,167,229,230,233  
*williamsii* K. & R. 1977 (*Eupatorium*) Honduras 167  
*Batschia* Gmel. 1791 Boraginaceae 11,19,229  
*Batschia* Mutis ex Thumb. 1792 Menispermaceae 11,19  
*Batschia* Vahl 1794 Fabaceae 11,19  
<sup>†</sup>*Batschia* Moench 1794 = *Ageratina* 11,19  
<sup>†</sup>*nivea* Moench 1794 = *Eupatorium ageratoides* 229 = *Ageratina altissima* (L.) K. & R.  
 11,19  
*Bejaranoa* K. & R. 1978 2 spp. 183  
*balansae* (Heiron.) K. & R. (*Eupatorium*) Paraguay 183  
*semistriata* (Baker) K. & R. (*Eupatorium, Conoclinium*) Brasil 183  
<sup>†</sup>*Biolettia* Greene 1891 = *Trichocoronis* 11,27,233  
<sup>†</sup>*triparia* Greene 1891 = *Trichocoronis wrightii* 27  
*Bishopiella* K. & R. 1981 1 sp. 203  
*elegans* K. & R. 1981 Brasil 203  
*Bishovia* K. & R. 1978 2 spp. 182  
*boliviensis* K. & R. 1978 Bolivia 182  
*mikanifolia* (B.L. Robins.) K. & R. (*Eupatorium, Chacoa*) Paraguay, Argentina 154,182  
*Blakeanthus* K. & R. 1972 1 sp. 87,88,89,233  
*cordatus* (Blake) K. & R. (*Alomia*) Guatemala, Honduras 88,89  
<sup>†</sup>*Brachyandra* Phil. 1860 = *Heleoegyne* 11,233  
<sup>†</sup>*macrogynae* Phil. 1860 = *Heleoegyne macrogynae* 11  
*Brickellia* Elliott 1822 96 spp. 2,11,80,81,82,84,87,115,144,165,179,225,226,235  
*adenocarpa* B.L. Robins. = *Brickellia argyrolepis* 230,232  
<sup>†</sup>*amblyolepis* B.L. Robins. 1901 = *Steviopsis amblyolepis* 77  
*arguta* B.L. Robins. US 230  
*argyrolepis* B.L. Robins. Panama, Costa Rica, Mexico 230,232,234  
*atraclyloides* Gray US 230  
*brasiliensis* Spreng. 83  
*californica* T. & G. US 230  
*cardiophylla* B.L. Robins. Mexico 100  
*cavanillesii* (Cass.) Gray (*Coleosanthus, Bulbostylis*) 11,229  
*cordidifolia* (DC.) B. L. Robins. Brasil 82  
*cordifolia* Elliott 1822 US 11,229  
*corymbosa* (DC.) Gray (*Clavigera*) Mexico 11,100,229  
*coulteri* Gray US, Mexico 100  
*cuspidata* Gray Mexico 100  
<sup>†</sup>*cymulifera* B.L. Robins. 1916 = *Kyrsteniopsis cymulifera* 76  
*diffusa* (Vahl) Gray (*Eupatorium, Coleocanthus, Bulbostylis*) South America, Mexico 100,  
 229,233,234  
*eupatorioides* (L.) (Kuhnia) US 11,229  
*extranea* McVaugh Mexico 100  
<sup>†</sup>*fendleri* Gray 1849 = *Brickelliastrum fendleri* 78  
*filipes* B.L. Robins. Mexico 100  
<sup>†</sup>*gentianoides* B.L. Robins. 1923 = *Chromolaena gentianoides* 200  
*glandulosa* (Llave) McVaugh (*Rosalesia*) Mexico 100

*Brickellia* continued

*glandulosa* (Raf.) (*Ismaria*) 11,229  
*glomerata* Fern. Mexico 100  
*guatemalensis* B.L. Robins. = *Brickellia argyrolepis* 232  
*incana* Gray US 230  
*jalicensis* McVaugh Mexico 100  
*lanata* (DC.) Gray Mexico 100  
*leptophylla* (Scheele) Shinners Mexico 230  
*magnifica* McVaugh Mexico 100  
†*microphylla* (DC.) Heiron. (*Baccharis*) = *Nothobaccharis candelleana* 174  
*monocephala* B.L. Robins. Mexico 100,233  
†*nesomii* B.L. Turner 1978 = *Phanerostylis nesomii* 204  
*oliganthes* (Less.) Gray Mexico 100  
*pacayensis* Coulter. 232  
*paniculata* (Mill.) B.L. Robins. Mexico 100,232  
*peninsularis* Rose & Standl. 233  
†*pulcherrima* B.L. Robins. 1904 = *Steviopsis pulcherrima* 77  
*schaffneri* (Gray) Shinners Mexico 100,230  
*scoparia* (DC.) Gray Mexico 100  
*secundiflora* (Lag.) Gray Mexico 100  
*seemannii* Gray Mexico 100  
†*solidaginifolia* Gray 1887 = *Asanthus solidaginifolius* 79  
*spinulosa* Gray Mexico 79,100  
†*squamulosa* Gray 1880 = *Asanthus squamulosus* 79  
*squarrosa* (Cav.) B.L. Robins. Mexico 100  
†*thyrsiflora* Gray 1880 = *Asanthus thyrsiflorus* 79  
*verbenacea* (Greene) B.L. Robins. Mexico 100  
*veronicifolia* (H.B.K.) Gray US, Mexico 100,230  
*Brickelliastrum* K. & R. 1972 1 sp. 78,165,233  
*fendleri* (Gray) K. & R. (*Brickellia*) US 78  
*Bulbostylis* Kunth Cyperaceae 11  
†*Bulbostylis* DC. 1836 = *Brickellia* 11,207,229,233  
†*cavanillesii* (Cass.) DC. (*Coleosanthus*) = *Brickellia cavanillesii* 11,229  
†*diffusa* (Vahl) DC. (*Eupatorium*) = *Coleosanthus diffusus* = *Brickellia diffusa* 229  
†*eleagnis* Gardn. 1846 = *Ayapana amygdalina* 229  
†*glandulosa* Gardn. 1846 = *Ayapana amygdalina* 229  
†*micrantha* Gardn. 1847 = *Ayapana amygdalina* 229  
†*microcephala* Gardn. 1846 = *Ayapana amygdalina* 229  
†*oblongifolia* Gardn. 1846 = *Ayapanopsis oblongifolia* 207  
†*pedunculosa* DC. 1836 = *Phanerostylis pedunculosa* 81  
†*pumila* Gardn. 1846 = *Heterocondylus pumilus* 105  
†*spinaciifolia* DC. 1836 = *Critonia spinaciifolia* 48  
†*tomentosa* Gardn. 1846 = *Ayapana amygdalina* 229  
†*triangularis* DC. 1838 = *Eupatoriastrum triangulare* 41  
†*Butschia* Moench = *Ageratina* 233  
*Cacalia* L.  
†*cordifolia* L. f. 1782 = *Willoughbya cordifolia* = *Mikania cordifolia* 229  
†*mentrasto* Vell. 1825 = *Ageratum conyzoides* 229  
†*Caelestina* Cass. 1817 = *Coelestina* 11  
†*coerulea* Cass. = *Coelestina coerulea* = *Ageratum coeruleum* 11  
*Calea* L.  
†*oppositifolia* L. 1753 = *Isocarpha oppositifolia* 11,229

†*Calostelma* D. Don 1833 = *Liatris* 11,225  
 †*elegans* (Walt.) D. Don 1833 (*Staelhelia*) = *Liatris elegans* 11  
*Campovassouria* K. & R. 1971 1 sp. 51,56,57,207,233  
 †*bupleurifolia* (DC.) K. & R. (*Eupatorium*) = *Campovassouria cruciata* 207  
*cruciata* (Vell.) K. & R. (*Chrysocoma*) Bolivia, Brasil 56,207  
*Campuloclinium* DC. 1836 14 spp. 24,30,91,97,228,233,235  
 †*barrosoanum* (Barroso) K. & R. (*Trichogonia*) = *Campuloclinium campuloclinioides* 94,  
 110,130  
*burchellii* (Baker) K. & R. (*Eupatorium*) Argentina, Brasil 90,110  
*campuloclinioides* (Baker) K. & R. (*Ageratum*) Brasil 94,110,130  
*chlorolepis* (Baker) K. & R. (*Eupatorium*) Brasil 90  
 †*crenatum* Schlect. ex Mart. 1841 = *Diacranthera crenata* 98  
*eiteniorum* K. & R. 1980 Brasil 191  
*hickenii* (Cabrera & Vittet) K. & R. (*Eupatorium*) Argentina 90  
*hirsutum* Gardn. 1847 Brasil 90,191  
*irwini* K. & R. 1972 Brasil 110  
*macrocephalum* (Less.) DC. (*Eupatorium*) Central America, South America, Mexico 11,  
 90,232  
*megacephalum* (Mart. ex Baker) K. & R. (*Eupatorium*) Brasil 90  
*parvulum* (Glaziou ex B.L. Robins.) K. & R. (*Eupatorium*) Brasil 90,164  
*purpurascens* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 90,110  
*riedelii* (Baker) K. & R. (*Eupatorium*) Brasil 90  
 †*surinamense* Miq. 1843 = *Heterocondylus vitalbae* 229  
*tubaracense* (Heiron.) K. & R. (*Eupatorium*) Brasil 90,92  
†*Carelia* Juss. ex Cav. 1802 = *Mikania* 11,229,233  
 †*satureiifolia* Cav. 1802 = *Mikania amara* Willd. 11,44,229  
†*Carelia* Less. 1832 = *Radikoferotoma* 11,44,233,235  
 †*berroi* Hutch. 1916 = *Radikoferotoma berroi* 44  
 †*cistifolia* Less. 1832 = *Radikoferotoma cistifolium* 11,44  
 †*ramboi* Cabrera 1957 = *Radikoferotoma ramboi* 44  
†*Carelia* Pontedera ex Fabricius 1759 = *Ageratina* 233 = *Ageratum* 44,229  
*conyzoides* L. 11,229  
*houstoniana* (Mill.) O. Ktze. (*Ageratum*) = *Ageratum houstonianum* 229  
*Carminatio* Moc. ex DC. 1838 2 spp. 11,165,233,235  
*recondita* McVaugh Mexico 100  
*tenuiflora* DC. 1838 Mexico, US 11,100  
*tenuifolia* DC. Mexico 230  
*Carphephorus* Cass. 1816 5 spp. 11,233  
*pseudoliatris* Cass. 1816 US 11  
*Carphochaete* Gray 1849 5 spp. 11,100,157,232,233  
*grahamii* Gray Mexico 100  
*gummifera* McVaugh Mexico 100  
*wislizeni* Gray 1849 Mexico 11  
*Carterothamnus* King 1967 1 sp. 3,11,14,15,233,235  
*anomalochaetus* King 1967 Baja California 3,11  
*Castenedia* K. & R. 1978 1 sp. 172  
*santamartensis* K. & R. 1978 Colombia 172  
*Cauchantia* K. & R. 1980 2 spp. 195  
*glomerata* (Barroso & King) K. & R. (*Ageratum*) Brasil 195,228  
*percymosa* K. & R. 1980 Brasil 195  
*Chacoa* K. & R. 1975 2 spp. 150,153,154,233  
 †*mikaniifolia* (B.L. Robins.) K. & R. (*Eupatorium*) 154 = *Bishovia mikaniifolia* 182

*Chacoa* continued

*pseudoprasifolia* (Hassl.) K. & R. (*Eupatorium*) Paraguay, Argentina 154

†*Chone* Dulac 1867 = *Eupatorium* 11,226,233

  †*heterophylla* Dulac 1867 = *Eupatorium heterophyllum* 11

*Chromolaena* DC. 1836 165 spp. 11,28,48,63,64,97,110,124,128,143,144,149,150,152,228,235

*adenolepis* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 29,200

*alvimii* K. & R. 1980 Brasil 200

*anachoretica* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 200

*angusticeps* (Malme) K. & R. (*Eupatorium*) 207

*arnottiana* (Griseb.) K. & R. (*Eupatorium*) Argentina, Bolivia 29

*arrayana* (Gardn.) K. & R. (*Eupatorium*) Brasil 29

*ascendens* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) eastern South America 29

*asperrima* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 200

*austera* (B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 29

*bahamensis* (Northrop) K. & R. (*Eupatorium*) Bahama Islands 29

*bangii* (Rusby) K. & R. (*Eupatorium*) Bolivia 29

*barbacensis* (Heiron.) K. & R. (*Eupatorium*) Brasil 29

*barranquillensis* (Heiron.) K. & R. (*Eupatorium*) Colombia 29

*barrosoae* K. & R. 1980 Brasil 200

*bathyphlebia* (B.L. Robins.) K. & R. (*Eupatorium*) Venezuela 29

*beckii* K. & R. 1982 Bolivia 214

*bertholdii* (Sch.-Bip.) K. & R. (*Eupatorium*) Mexico 29

*bigelovii* (Gray) K. & R. (*Eupatorium*) Mexico 29

*boringensis* (Britt.) K. & R. (*Osmia*) Puerto Rico 29

*breedlovei* K. & R. 1980 Mexico 200

*brunneola* (Baker) K. & R. (*Eupatorium*) Brasil 200

*bullata* (Klatt) K. & R. (*Eupatorium*) Colombia 29,200

*caaguazuensis* (Heiron.) K. & R. (*Eupatorium*) Brasil, Paraguay 29

*calamocephala* (Baker) K. & R. (*Eupatorium horminoides* var. *calamocephalum*) Brasil 29

*caldensis* (B.L. Robins.) K. & R. (*Eupatorium*) 207

*callilepis* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 29

*campestris* (DC.) K. & R. (*Eupatorium*) Brasil 29

*chasleae* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 29,233

*christieana* (Baker) K. & R. (*Eupatorium*) Brasil 29

*chrysosticta* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 29

*cinereoviridis* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 29

*collina* (DC.) K. & R. (*Eupatorium*) Mexico 29,100,230

*columbiana* (Heering) K. & R. (*Eupatorium*) Colombia 29

*congesta* (H. & A.) K. & R. (*Eupatorium*) Brasil, Uruguay 29,214

*connivens* (Rusby) K. & R. (*Eupatorium*) Peru, Bolivia 29

*corymbosa* (Aubl.) K. & R. (*Eupatorium*) West Indies, French Guiana 29

*costatipes* (B.L. Robins.) K. & R. (*Eupatorium*) 207

*cryptantha* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 200

*cylindrocephala* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 200

*decumbens* Gardn. 1846 Brasil 29

*densiflora* (Morong) K. & R. (*Eupatorium*) Paraguay 29

*desmocephala* (B.L. Robins.) K. & R. (*Eupatorium*) 207

*diaphanophlebia* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 200

*dussii* (Urban) K. & R. (*Eupatorium*) Guadeloupe 29

*elliptica* (H. & A.) K. & R. (*Eupatorium*) Argentina, Brasil 29,214

*epaleacea* Gardn. 1847 29

*eripsima* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 29

*Chromolaena* continued

*extensa* (Gardn.) K. & R. (*Eupatorium*) Bolivia, Brasil 29  
*farinosa* (B.L. Robins.) K. & R. (*Eupatorium*) Venezuela 29  
*ferruginea* (Gardn.) K. & R. (*Eupatorium*) 207  
*foliata* (Heiron.) K. & R. (*Eupatorium*) 29 = *Chromolaena pedunculosa* 200  
*frustrata* (B.L. Robins.) K. & R. (*Eupatorium*) US 29,234  
*furcata* (Lam.) K. & R. (*Eupatorium*) West Indies 29  
*geranifolia* (Urban) K. & R. (*Eupatorium*) Puerto Rico 29  
*gentianoides* (B.L. Robins.) K. & R. (*Brickellia*) Brasil 200  
*glaberrima* (DC.) K. & R. (*Eupatorium*) Mexico, Guatemala 29,100,164  
*haenkeana* (DC.) K. & R. (*Eupatorium*) Mexico 29,100  
*haughtii* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 29  
*herzogii* (B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 29  
*heteroclinia* (Griseb.) K. & R. (*Eupatorium*) Jamaica 29,234  
*heterosquamea* (Urban & Ekman) K. & R. (*Eupatorium*) Dominican Republic 156  
*hirsuta* (H. & A.) K. & R. (*Eupatorium*) Argentina, Brasil, Uruguay 29  
*holquinensis* (B.L. Robins.) K. & R. (*Eupatorium*) 29 = *Grisebachianthus holquinensis* 151  
*hookeriana* (Griseb.) K. & R. (*Eupatorium*) Argentina, Brasil 200  
*horminoides* DC. 1836 Brasil 11,29,229  
*hypericifolia* (H.B.K.) K. & R. (*Eupatorium*) Colombia 29  
*hypodictya* (B.L. Robins.) K. & R. (*Eupatorium*) 207  
*integrifolia* (Bert. ex Spreng.) K. & R. (*Eupatorium*) Guadeloupe 29  
*iridolepis* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 29  
*wifolia* (L.) K. & R. (*Eupatorium, Osmia*) US, West Indies, Central America, South America 29,200,214,229,233  
*jelskii* (Heiron.) K. & R. (*Eupatorium*) Peru 29  
*jujuicensis* (Heiron.) K. & R. (*Eupatorium*) Argentina 29  
*kleinii* (Cabrera) K. & R. (*Eupatorium*) Brasil 29  
*laevigata* (Lam.) K. & R. (*Eupatorium*) Mexico to Argentina 29,229,230,233  
*larenensis* (Badillo) K. & R. (*Eupatorium*) Venezuela 162  
*latisquamulosa* (Heiron.) K. & R. (*Eupatorium rhinanthaceum* var. *latisquamulosum*) Argentina, Brasil 29  
*leivensis* (Heiron.) K. & R. (*Eupatorium*) Colombia 29,200  
*leptocephala* (DC.) K. & R. (*Eupatorium*) Colombia, Peru, Ecuador 29  
*klacina* (Heiron.) K. & R. (*Eupatorium*) Brasil 29  
*linearis* (Malme) K. & R. (*Eupatorium*) Brasil, Guayana 29  
*lucayana* (Britt.) K. & R. (*Eupatorium*) Bahama Islands 29  
*luguensis* (Chod.) K. & R. (*Eupatorium*) Paraguay 29  
*lundellii* K. & R. 1978 Guatemala 234  
*macrantha* (Sw.) K. & R. (*Eupatorium*) West Indies 29  
*mallota* (B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 29  
*margaritensis* (Hassl.) K. & R. (*Eupatorium*) Brasil, Paraguay 29  
*mattogrossensis* (Heiron.) K. & R. (*Eupatorium*) Brasil 29  
*mazimillianii* (Schrad. ex DC.) K. & R. (*Eupatorium*) 207  
*mendezii* (DC.) K. & R. (*Eupatorium*) Mexico 156  
*meridensis* (B.L. Robins.) K. & R. (*Eupatorium*) Venezuela 29  
*minasgeraeensis* (Heiron.) K. & R. (*Eupatorium*) Brasil 200  
*misella* (McVaugh) K. & R. (*Eupatorium*) Mexico 100  
*molina* (B.L. Robins.) K. & R. (*Eupatorium*) Venezuela 29  
*mononeura* (Urban) K. & R. (*Eupatorium*) Dominica Island 29  
*mori* K. & R. 1980 Brasil 200

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*moritensis* (Aristeguieta) K. & R. (*Eupatorium*) 162  
*moritziana* (Sch.-Bip. ex Heiron.) K. & R. (*Eupatorium*) Venezuela 29  
 †*mornicola* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 29 = *Koanophyllum*  
 †*mornicola* 150  
*mucronata* (Gardn.) K. & R. (*Eupatorium*) Brasil 164  
*multiflosculosa* (DC.) K. & R. (*Eupatorium*) Brasil 29  
*myriadenia* K. & R. 1980 Brasil 200  
*myriocephala* (Gardn.) K. & R. (*Eupatorium*) Brasil 16,29,229  
*odorata* (L.) K. & R. (*Eupatorium*, *Heterolaena*, *Osmia*) Mexico, West Indies, South America 11,29,100,114,200,230,233  
*oerstediana* (Benth. ex Oerst.) K. & R. (*Eupatorium*) Central America 29,232  
*oinopolepis* (Malme) K. & R. (*Eupatorium rhinanthaceum* var. *oinopolepis*) Brasil 29  
*opadoclinia* (Blake) K. & R. (*Eupatorium*) Mexico 29,230  
*orbigniana* (Klatt) K. & R. (*Eupatorium*) Argentina, Paraguay 29  
*ortegae* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 29,100  
*ossaeana* (DC.) K. & R. (*Eupatorium*) West Indies 29  
*oteroi* (Monachino) K. & R. (*Eupatorium*) Puerto Rico 29  
*ovaliflora* (H. & A.) K. & R. (*Eupatorium*) Mexico 29,100  
*oxylepis* (DC.) K. & R. (*Eupatorium*) Venezuela, Brasil 29  
*oyadensis* (Heiron.) K. & R. (*Eupatorium*) Argentina, Paraguay 29  
*palmaris* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 29  
*paraguariensis* (Heiron.) K. & R. (*Eupatorium*) Paraguay 29  
*parviceps* (Malme) K. & R. (*Eupatorium*) Brasil 29  
*pedalis* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 29  
*pedunculosa* (H. & A.) K. & R. (*Eupatorium*) Brasil 29,200  
*pellia* (Klatt) K. & R. (*Eupatorium*) Venezuela 29  
*perforata* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 29  
*perglabra* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 29  
*periensis* K. & R. 1980 Colombia 200  
*persericea* K. & R. 1980 Colombia, Venezuela 200  
*pharcidodes* (B.L. Robins.) K. & R. (*Eupatorium*) Guayana, Venezuela 29  
*picta* (Gardn.) K. & R. (*Eupatorium*) Brasil 200  
 †*plumieri* (Urban & Ekman) K. & R. (*Eupatorium*) 29 = *Osmiopsis plumieri* 149  
*polyantha* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil, Paraguay, Uruguay 29  
*porophylloides* (B.L. Robins.) K. & R. (*Eupatorium*) 207  
*porphyrolepis* (Baker) K. & R. (*Eupatorium*) Brasil 29  
*pseudinsignis* K. & R. 1980 Brasil 200  
*pulchella* (H.B.K.) K. & R. (*Eupatorium*) Mexico 29,100  
*punctata* (Lam.) K. & R. (*Eupatorium*) West Indies 29  
*punctulata* (DC.) K. & R. (*Eupatorium*) Colombia, Brasil 29  
*pungens* (Gardn.) K. & R. (*Eupatorium*) Brasil 200  
*queretaria* (L.O. Williams) K. & R. (*Eupatorium*) Guatemala, Mexico 164,232  
*revoluta* (Gardn.) K. & R. (*Eupatorium*) Brasil 29  
*rhinanthacea* (DC.) K. & R. (*Eupatorium*) Brasil 29  
*rigida* (Sw.) K. & R. (*Eupatorium*) 207  
*rojasii* (Hassl.) K. & R. (*Eupatorium*) Paraguay 29  
*roseora* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 29  
*sagittata* (Gray) K. & R. (*Eupatorium*) Mexico 29,100,230  
*sagittifera* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 29  
*sanctopaulensis* (B.L. Robins.) K. & R. (*Eupatorium*) Argentina, Brasil 29  
*sanctanensis* (Aristeguieta) K. & R. (*Eupatorium*) Venezuela 29

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*scabra* (L.) K. & R. (*Eupatorium*) Guayana to Peru, Brasil 29  
*serratuloides* (H.B.K.) K. & R. (*Eupatorium*) 207  
*sinuata* (Lam.) K. & R. (*Eupatorium*) West Indies 156  
*squalida* (DC.) K. & R. (*Eupatorium*) Brasil, Venezuela 29  
*squarrosoramosa* (Heiron.) K. & R. (*Eupatorium*) Bolivia, Argentina 29,200  
*squarrulosa* (H. & A.) K. & R. (*Eupatorium*) Brasil, Paraguay, Uruguay 29,200  
*stachyophylla* (Spreng.) K. & R. (*Eupatorium*) Bolivia, Brasil 29  
*steyermarkiana* (Badillo) K. & R. (*Eupatorium*) Venezuela 162  
*stillingiifolia* (DC.) K. & R. (*Eupatorium*) Mexico 156  
*subscandens* (Heiron.) K. & R. (*Eupatorium*) Colombia, Bolivia 29,200  
*suratensis* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 29  
*tacotana* (Klatt) K. & R. (*Eupatorium*) Colombia 29,200  
*tecta* (Gardn.) K. & R. (*Eupatorium*) Brasil 29  
*tenuicapitulata* (Heiron.) K. & R. (*Eupatorium*) Peru 29  
*thurnii* (B.L. Robins.) K. & R. (*Eupatorium*) Guayana, Venezuela 29  
*toldensis* (Heiron.) K. & R. (*Eupatorium*) Argentina, Bolivia 29  
*trigonocarpa* (Griseb.) K. & R. (*Eupatorium*) Dominica Island 29  
*trujillensis* (B.L. Robins.) K. & R. (*Eupatorium*) Venezuela 29  
*turnariensis* (Heiron.) K. & R. (*Eupatorium conyzoides* var. *turnariense*) Bolivia 29  
*tyleri* (B.L. Robins.) K. & R. (*Eupatorium*) Venezuela 29  
*ulei* (Heiron.) K. & R. (*Eupatorium*) Brasil 29  
*umbelliformis* (Dusen ex Malme) K. & R. (*Eupatorium*) Brasil 29  
*uromenes* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 29  
*urticoides* (Sch.-Bip. ex Heiron.) K. & R. (*Eupatorium*) Venezuela 29  
*verbenacea* (DC.) K. & R. (*Eupatorium*) Brasil, Paraguay, Argentina 29  
*verticillata* K. & R. 1980 Brasil 200  
*vindei* (DC.) K. & R. (*Eupatorium*) Brasil 200  
*zestolepidoides* (Wurdack) K. & R. (*Eupatorium*) Venezuela 162  
*zestolepis* (B.L. Robins.) K. & R. (*Eupatorium*) Venezuela 29  
*zyllorrhiza* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 29,200

*Chrysocoma* L. 207  
 †*alata* Vell. 1825 = *Heterocondylus alatus* 207  
 †*cruciata* Vell. 1825 = *Campovassouria cruciata* 207

*Ciceronia* Urban 1925 1 sp. 11,43,233  
*chapitalioides* Urban 1925 West Indies 11

†*Clavigera* DC. 1836 = *Brickellia* 11,233  
 †*corymbosa* DC. 1836 = *Brickellia corymbosa* 11,229

†*Coelestina* Cass. 1817 = *Ageratum* 11,233  
 †*coerulea* Cass. 1817 (*Caelestina*) = *Ageratum coeruleum* 11  
 †*microcarpa* Benth. ex Oerst. 1852 = *Alomia microcarpa* = *Ageratum microcarpum* 227

†*Coleosanthus* Cass. 1817 = *Brickellia* 11,233  
 †*cavanillesii* Cass. 1817 = *Bulbostylis cavanillesii* = *Brickellia cavanillesii* 11,229  
 †*diffusa* (Vahl) Kuntze (*Eupatorium*, *Bulbostylis*) = *Brickellia diffusa* 229  
 †*tilifolius* Cass. 1822 = *Hebeclinium macrophyllum* 229

*Condylidium* K. & R. 1972 2 spp. 102  
*cuatrecasasii* K. & R. 1972 Colombia 102  
*tresinoides* (H.B.K.) K. & R. (*Eupatorium*) Central America, West Indies, South America 102,159,229,230,232,233

*Condylopodium* K. & R. 1972 4 spp. 108,165,233  
*cuatrecasasii* K. & R. 1972 Colombia 108  
*fuliginosum* (H.B.K.) K. & R. (*Eupatorium*) Colombia 108

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*killipii* K. & R. 1972 Colombia 108  
*pennelli* K. & R. 1972 Colombia 108  
*Conocliniopsis* K. & R. 1972 1 sp. 68,96,183,203,233  
*prasiifolia* (DC.) K. & R. (*Conoclinium*) Colombia, Venezuela, Brasil 68  
*Conoclinium* DC. 1836 3 spp. 11,18,33,216,226,233  
*betonicifolium* (Mill.) K. & R. (*Eupatorium*) Mexico, US 13,100  
 $\dagger$ *betoniciforme* DC. 1836 = *Barrosoa betoniciformis* 34  
*coelestinum* (L.) DC. (*Eupatorium*) US, Ecuador 11,13,230  
*greggii* (Gray) Small (*Eupatorium*) US, Mexico 13,58  
 $\dagger$ *humile* Benth. 1845 = *Lourteigia humilis* 35  
 $\dagger$ *prasiifolium* DC. 1840 = *Conocliniopsis prasiifolia* 68  
 $\dagger$ *semistriatum* Sch.-Bip. ex Baker 1876 = *Bejaranoa semistriata* 183  
 $\dagger$ *viridiflorum* Baker 1876 = *Barrosoa viridiflora* 34  
*Corethamnium* K. & R. 1978 1 sp. 171,175,196  
*chocoensis* K. & R. 1978 Colombia 171  
 $\dagger$ *Corynanthelium* Kunze 1847 = *Mikania* 11,229,233  
 $\dagger$ *moronoea* Kunze 1847 = *Mikania moronoea* 11,229  
*Critonia* P. Browne 1756 38 spp. 11,22,45,46,47,59,64,85,138,141,143,144,150,158,183,199,  
 201,222,233,235  
*arachnoidea* (Legname) K. & R. (*Eupatorium*) 207  
*aromaticans* (DC.) K. & R. (*Eupatorium*) Cuba, Dominican Republic 48  
*bartlettii* (B.L. Robins.) K. & R. (*Eupatorium*) Guatemala, Mexico, Belize 48,162,232  
*billbergiana* (Beurl.) K. & R. (*Eupatorium*) Central America 48,114,164,229,232  
*campechensis* (B.L. Robins.) K. & R. (*Eupatorium*) Belize 48  
*chrysocephala* (Klatt) K. & R. (*Eupatorium*) Costa Rica 48  
*conzattii* (Greenm.) K. & R. (*Eupatorium*) Mexico 48  
*dalea* (L.) DC. (*Eupatorium*) Jamaica 11,48,50,74,229  
*daleoides* DC. 1836 48,49,229  
*dominicensis* K. & R. 1972 Dominica 74  
*eggersii* (Heiron.) K. & R. (*Eupatorium*) Ecuador 48  
*eriocarpa* (B.L. Robins. & Greenm.) K. & R. (*Eupatorium*) Mexico 48,180  
*hebebotrya* DC. 1836 Central America, Mexico 37,48,100,232  
*hemipteropodia* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 48  
*heteroneura* Ernst 1874 Colombia, Venezuela 48  
*hospitalea* (B.L. Robins.) K. & R. (*Eupatorium*) Central America, Mexico 48,230,232  
*iltisii* K. & R. 1978 Guatemala, Mexico 180  
*imbricata* Griseb. 1863 Cuba 48  
*inaequidens* (Urban) K. & R. (*Eupatorium*) Hispaniola 48  
*lanicalis* (B.L. Robins.) K. & R. (*Eupatorium*) Guatemala 48  
*laurifolia* (B.L. Robins.) K. & R. (*Eupatorium*) Costa Rica 48  
*lozanoana* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 48  
*macropoda* DC. 1836 Trinidad 48  
*magistri* (L.O. Williams) K. & R. (*Eupatorium*) Guatemala, Belize 164,232  
*megaphylla* (Baker) K. & R. (*Eupatorium*) 207 = *Critonia morifolia* 229  
*morifolia* (Mill.) K. & R. (*Eupatorium*) Central America, South America, Mexico 48,100,  
 229,230  
*naiguatensis* (Badillo) K. & R. (*Steyermarkina*) Venezuela 162  
*nicaraguensis* (B.L. Robins.) K. & R. (*Eupatorium*) Nicaragua 48  
*parviflora* (Sweet) DC. (*Eupatorium*) Jamaica 48  
*peninsularis* (Brandeg.) K. & R. (*Eupatorium*) Mexico 48  
*platychaeta* (Urban) K. & R. (*Eupatorium*) Jamaica 74

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*portoricensis* (Urban) Britt. & P.-Wilson (*Eupatorium*) Puerto Rico 48  
*pseudodalea* DC. 1836 Cuba 48  
*quadrangularis* (DC.) K. & R. (*Eupatorium*) Central America 48,100  
*sezangularis* (Klatt) K. & R. (*Piptocarpha*) Central America 48,229,230  
*spinaciifolia* (DC.) K. & R. (*Bulbostylis*) Mexico 48  
*stigmatica* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 48  
*thyrsigera* (Heiron.) K. & R. (*Eupatorium*) Colombia 48  
*thyrsoides* (Moc. ex DC.) K. & R. (*Eupatorium*) Mexico, Nicaragua 48  
*Critoniadelphus* K. & R. 1971 2 spp. 48,49,50,158,163,233  
*microdon* (B.L. Robins.) K. & R. (*Eupatorium*) Guatemala 49,232  
*nubigenus* (Benth.) K. & R. (*Eupatorium*) Central America 49,232  
*Critoniella* K. & R. 1975 6 spp. 138,141,172,216,233  
*acuminata* (H.B.K.) K. & R. (*Eupatorium*) Colombia, Venezuela, Peru 138  
*albertosmithii* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 138  
*lebrijensis* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 138  
*leuolithogena* (B.L. Robins.) K. & R. (*Eupatorium, Hebeclinium*) Colombia 147,156  
*vargasiana* (DC.) K. & R. (*Eupatorium*) Colombia, Venezuela 138  
*Cronquistia* King 1968 1 sp. 6,8,11,157,225,233,235  
*pringlei* (Wats.) King (*Stevia*) Mexico 6,11,230  
*Cronquistianthus* K. & R. 1972 26 spp. 75,217,220  
*bulliferus* (Blake) K. & R. (*Eupatorium*) Colombia, Ecuador, Peru 75,207,215  
*callacatensis* (Heiron.) K. & R. (*Eupatorium*) Peru 156  
*celendinensis* K. & R. 1982 Peru 215  
*chachapoyensis* K. & R. 1982 Peru 215  
*chamaedrifolius* (H.B.K.) K. & R. (*Eupatorium*) Ecuador, Peru 75,119,215  
*chotensis* (Heiron.) K. & R. (*Eupatorium*) Peru 75  
*desmophyllus* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 75  
*determinatus* (B.L. Robins.) K. & R. (*Eupatorium urubamense* var. *determinatum*) 215  
*ferreyrii* K. & R. 1974 Peru 119  
*glomeratus* (DC.) K. & R. (*Eupatorium*) Peru 75,215  
*infantesii* K. & R. 1982 Peru 215  
*kalenbornianus* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 75  
*korthalsianus* (B.L. Robins.) K. & R. 233  
*lavendulifolius* (DC.) K. & R. (*Eupatorium*) Peru 75  
*leucophyllus* (H.B.K.) K. & R. (*Eupatorium*) Peru 75  
*macbridei* K. & R. 1982 Peru 215  
*marrubifolius* (Heiron.) K. & R. (*Eupatorium*) Peru 119,215  
*niveus* (H.B.K.) K. & R. (*Eupatorium*) Colombia, Ecuador 60,75  
*origanoides* (H.B.K.) K. & R. (*Eupatorium*) Colombia, Ecuador 75  
*pseudorganoides* (Heiron.) K. & R. (*Eupatorium*) Ecuador 75  
*rosei* K. & R. 1982 Ecuador 215  
*rugosus* (H.B.K.) K. & R. (*Eupatorium*) 75 = *Cronquistianthus bulliferus* 207  
*urubamensis* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 75  
*volkensii* (Heiron.) K. & R. (*Eupatorium*) Peru 75  
*Crossothamnus* K. & R. 1972 1 sp. 84,165,233  
*weberbaueri* (Heiron.) K. & R. (*Eupatorium*) Peru 84  
†*Cunigunda* Bub. 1900 = *Eupatorium* 226,233  
*Dasycondylus* K. & R. 1972 8 spp. 96,97,98,129,203,223,233  
*debeauzii* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 97  
*dusenii* K. & R. 1972 Brasil 97  
*lobbii* (Klatt) K. & R. (*Eupatorium*) Bolivia, Peru, Brasil 97

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*platylepis* (Baker) K. & R. (*Eupatorium*) Brasil 97  
*regnellii* K. & R. 1972 Brasil 97,191  
*resinosus* (Spreng.) K. & R. (*Mikania*) Brasil 97  
*riedelii* K. & R. 1972 Brasil 97,191  
*santosii* K. & R. 1980 Brasil 191  
*Decachaeta* DC. 1836 7 spp. 11,17,36,73,99,131,176,233  
 †*conferta* Gardn. 1846 = *Ageratum confertum* 16 = *Acriopappus confertus* 109  
*haenkeana* DC. 1836 Mexico 7,11,16,100,229  
*incompta* (DC.) K. & R. (*Eupatorium*) Mexico 16,100,230  
 †*longifolia* Gardn. 1846 = *Alomia longifolia* 16 = *Acriopappus longifolius* 109  
*ovandensis* K. & R. Mexico 16  
*ovatifolia* (DC.) K. & R. (*Nothiles, Ophryosporus*) Mexico 16,100  
*perornata* (Klatt) K. & R. (*Eupatorium*) Mexico 37  
*scabrella* (B.L. Robins.) K. & R. (*Eupatorium, Ophryosporus*) Mexico 16,100  
 †*seemannii* Benth. & Hook. = *Ageratella microphylla* 16  
*thielana* (Klatt) K. & R. (*Eupatorium*) Costa Rica 16,229  
*Diacranthera* K. & R. 1972 2 spp. 98,233  
*crenata* (Schlecht.) K. & R. (*Campuloclinium*) Brasil 98,175  
*ulei* K. & R. 1972 Brasil 98  
 †*Dichaeta* Sch.-Bip. 1850 nom. nud. = *Schaetzellia* = *Macvaughia* 11,233  
 †*Dimorpholepis* K. & R. 1971 51,54,55,56,233 = *Grazielia*  
 †*anethifolia* (DC.) K. & R. (*Eupatorium*) 55 = *Grazielia anethifolia* 67 = *Mikania anethifolia* 209  
 †*coriacea* (Scheele) K. & R. (*Eupatorium*) 55 = *Grazielia coriacea* 67 = *Sympyopappus reticulata* 209  
 †*gaudichaudiana* (DC.) K. & R. (*Eupatorium*) 55 = *Grazielia gaudichaudiana* 67  
 †*graziela* K. & R. 1971 (*Eupatorium dimorpholepis* Baker) 55 = *Grazielia dimorpholepis* 67  
 †*intermedia* (DC.) K. & R. (*Eupatorium*) 55 = *Grazielia intermedia* 67  
 †*mollissima* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) 55 = *Grazielia mollissima* 67  
 †*multifida* (DC.) K. & R. (*Eupatorium*) 55 = *Grazielia multifida* 67  
 †*nummularia* (H. & A.) K. & R. (*Eupatorium*) 55 = *Grazielia nummularia* 67  
 †*serrata* (Spreng.) K. & R. (*Eupatorium*) 55 = *Grazielia serrata* 67  
*Dissothriz* Gray 1851 2 spp. 11,165,233,235  
*gardneri* Gray 1851 South America 11  
 †*imbricata* (Gardn.) B.L. Robins. = *Dissothriz gardneri* 11  
*Disynaphia* H. & A. 16 spp. 33,51,53,54,55,56,165,179,191,223  
*achillaea* (Chod.) K. & R. (*Eupatorium*) Paraguay 57  
*albissima* (Hassl.) K. & R. (*Eupatorium*) Paraguay 57  
*calyculata* (H. & A.) K. & R. (*Eupatorium*) Argentina, Brasil, Uruguay 11,57  
*ericoides* (DC.) K. & R. (*Eupatorium*) Brasil 57  
*filifolia* (Hassl.) K. & R. (*Eupatorium*) Paraguay 57  
*halimifolia* (DC.) K. & R. (*Eupatorium*) Brasil 164  
*ligulifolia* (H. & A.) K. & R. (*Eupatorium*) Brasil 57,164  
*littoralis* (Cabrer.) K. & R. (*Eupatorium*) Brasil 57,164  
*minutiflora* K. & R. 1980 Brasil 191  
 †*montivida* DC. 1838 11 = *Disynaphia calyculata* 57  
*multicrenulata* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil, Paraguay 57  
*praeficta* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 57,156  
*radula* (Chod.) K. & R. (*Eupatorium*) Brasil, Paraguay 57,233  
*senecionoidea* (Baker) K. & R. (*Eupatorium*) Brasil 57

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*spathulata* (H. & A.) K. & R. (*Eupatorium*) Brasil 57,164  
*variolata* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 57,164  
*Dyscritogyne* K. & R. 1971 2 spp. 59,60,63,77,79,165,233  
*adenosperma* (Sch.-Bip.) K. & R. (*Eupatorium*) Mexico 60,100  
*dryophila* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 60,100  
*Dyscritothamnus* B.L. Robins. 1922 2 spp. 11  
*filifolius* B.L. Robins. 1922 Mexico 11  
*Etenia* K. & R. 1974 2 spp. 124,233,235  
*polyseta* K. & R. 1979 Brasil 178  
*praelioides* K. & R. 1974 Brasil 124,178  
*Ellenbergia* Cuatrecasas 1964 1 sp. 11,228,233  
*glandulata* Cuatrecasas 1964 Peru 7,11,131  
†*Eriopappus* Loud. 1839 *nom. nud.* = *Brickellia* 11,233  
*Erythradenia* (B.L. Robins.) K. & R. 1969 1 sp. 17,99,131,133,176,233  
*pyramidalis* (B.L. Robins.) K. & R. (*Piqueria*) Mexico 17,100  
*Eupatoriadelphus* K. & R. 1970 4 spp. 24,25,227,233,235  
*dubius* (Willd. ex Poir.) K. & R. (*Eupatorium*) US 25  
*fistulosus* (Barratt) K. & R. (*Eupatorium*) US 25  
*maculatus* (L.) K. & R. (*Eupatorium*) US, Canada 25,190  
*purpureus* (L.) K. & R. (*Eupatorium*) US 25,226  
*Eupatoriastrum* Greenm. 1903 3 spp. 11,112,150,232,233,235  
*angulifolium* (B.L. Robins.) K. & R. (*Eupatorium*) Guatemala, Mexico 41  
†*clavisetum* Badillo 1943 = *Idiothamnus clavisetus* 155  
*nelsonii* Greenm. 1903 El Salvador, Mexico 11,41,105  
*triangulare* (DC.) B.L. Robins. (*Bulbostylis*) Mexico 37,41,100  
*Eupatorina* K. & R. 1971 1 sp. 42,43,45,233  
*sophiifolia* (L.) K. & R. (*Eupatorium*) Hispaniola 42  
*Eupatoriopsis* Heiron. 1893 1 sp. 11,28,124,178,233  
*hoffmanniana* Heiron. 1893 Brasil 11,110  
*Eupatorium* L. 1753 44 spp. 11,226  
†*abronium* Klatt 1894 = *Ageratina abronia* 85  
†*achilleum* Chod. 1901 = *Disynaphia achillaea* 57  
†*acuminatum* H.B.K. 1818 = *Critoniella acuminata* 138  
†*acuminatum* H. & A. 1835 = *Neocabreria serrulata* 65  
†*acutidentatum* B.L. Robins. 1907 = *Ageratina acutidentata* 19  
†*adamantium* Gardn. 1846 = *Koanophyllum adamantium* 150  
†*adenachaenium* Sch.-Bip. ex Klatt 1884 = *Ageratina adenachaenia* 19  
†*adenanthum* DC. 1836 = *Trichogoniopsis adenantha* 91,93  
†*adenolepis* Sch.-Bip. ex Baker 1876 = *Chromolaena adenolepis* 29  
†*adenophorum* Spreng. 1826 = *Ageratina adenophora* 19  
†*adenospermum* Sch.-Bip. 1854 = *Dyscritogyne adenosperma* 60  
†*adspersum* Klatt 1895 = *Ageratina anisochroma* 229  
†*aegiophyllum* B.L. Robins. 1900 = *Ageratina aegiophylla* 19  
†*aequinoctiale* B.L. Robins. 1920 = *Fleischmannia aequinoctialis* 18  
†*africanum* Oliver & Heiron. 1877 = *Stomatianthes africanus* 24  
†*ageratifolium* var. *herbaceum* Gray = *Eupatorium herbaceum* = *Ageratina herbacea* 19  
†*ageratoides* L. f. = *Ageratiopsis ageratoides* 11 = *Ageratum altissimum* 11 = *Ageratina altissima* 19  
†*albertinae* Molina = *Campuloclinium macrocephalum* 232  
†*albertosmithii* B.L. Robins. 1928 = *Critoniella albertosmithii* 138  
†*albicaule* Sch.-Bip. ex Klatt 1884 = *Koanophyllum albicaule* 64,150

*Eupatorium* continued

†*albissimum* Hassl. 1912 = *Disynaphia albissima* 57  
*album* L. US 226  
 †*allenii* Standl. 1938 = *Ageratina allenii* 85  
 †*alternifolium* Sch.-Bip. ex Baker 1876 = *Gyptis alternifolia* 33 = *Gyptis crassipes* 164  
 †*altiscandens* McVaugh 1972 = *Neomirandeaa araliifolia* 100  
*altissimum* L. 1753 US 226,233  
 †*ambylepis* B.L. Robins. 1900 = *Ageratina ambyolepis* 19  
 †*amethystinum* B.L. Robins. 1926 = *Aristeguietia amethystina* 139  
 †*amphidictyon* DC. 1836 = *Heterocondylus amphidictyon* 105  
 †*amplifolium* Gray = *Ageratina rubricaulis* 19  
 †*ampulum* Benth. 1845 = *Ageratina ampla* 19  
 †*amygdalinum* Lam. 1788 = *Ayapana amygdalina* 30  
 †*anachoreticum* B.L. Robins. 1934 = *Chromolaena anachoretica* 200  
 †*anchistum* Grashoff & Beaman 1969 = *Ageratina anchista* 85  
 †*andinum* B.L. Robins. 1926 = *Ayapanopsis andina* 103  
 †*anethifolium* DC. 1836 = *Dimorpholepis anethifolia* 55 = *Grazielia anethifolia* 67 =  
*Mikania anethifolia* 209  
 †*angulare* B.L. Robins. 1931 = *Neomirandeaa angularis* 21  
 †*angulicaule* Sch.-Bip. ex Baker 1876 = *Austrocritionia angulicaulis* 143  
 †*angulicaule* Lasser & Maguire 1950 = *Guayania yaviana* 39  
 †*angulifolium* B.L. Robins. 1922 = *Eupatoriastrium angulifolium* 41  
 †*angusticeps* Malme 1932 = *Chromolaena angusticeps* 207  
 †*angustissimum* Spreng. ex Baker 1876 = *Pseudobrickettia angustissima* 83  
 †*anisochromum* Klatt 1892 = *Ageratina anisochroma* 19  
 †*anisodontum* B.L. Robins. 1919 = *Aristeguietia anisodonta* 139  
 †*anisopodium* B.L. Robins. 1901 = *Fleischmannia anisopoda* 18  
*anomalum* Nash US 226  
 †*antiquorum* Standl. & Steyermark 1940 = *Fleischmannia antiquora* 207  
 †*apense* Chod. 1903 = *Austroeupatorium apense* 215  
 †*apiculatum* Gardn. 1846 = *Barrosoa apiculata* 95  
 †*apollinairei* B.L. Robins. 1918 = *Ageratina apollinairei* 19  
 †*arachnoideum* Legname 1975 = *Critonia arachnoidea* 207  
 †*araliifolium* Less. 1831 = *Neomirandeaa araliifolia* 21  
 †*arboreum* H.B.K. 1818 = *Aristeguietia arborea* 139  
 †*arbutifolium* Benth. 1845 = *Ageratina arbutifolia* 19  
 †*arcuans* B.L. Robins. 1918 = *Asplundianthus arcuans* 141  
 †*areolare* DC. 1836 = *Piptothrix areolare* 22  
 †*argutum* H.B.K. 1818 = *Fleischmannia arguta* 18  
 †*aristei* B.L. Robins. 1919 = *Ageratina aristei* 19  
*armanii* Balbis 11  
 †*arnottianum* Griseb. 1874 = *Chromolaena arnottiana* 29  
 †*arnottii* Baker 1876 = *Austrobrickellia arnottii* 82  
 †*aromaticum* L. 1753 = *Kyrstenia aromatica* = *Ageratina aromatica* 19  
 †*aromatisans* DC. 1836 = *Critonia aromatisans* 48  
 †*arrayanum* Gardn. 1847 = *Chromolaena arrayana* 29  
 †*arsenei* B.L. Robins. 1934 = *Ageratina arsenei* 19  
 †*artemisifolium* Griseb. 1879 = *Gyptis artemisifolia* 33  
 †*arthodes* B.L. Robins. 1923 = *Neomirandeaa arthodes* 21  
 †*articulatum* Sch.-Bip. ex Heiron. 1908 = *Ageratina articulata* 19  
 †*ascendens* Sch.-Bip. ex Baker 1876 = *Chromolaena ascendens* 29  
 †*aschenbornianum* Schauer 1847 = *Ageratina aschenborniana* 19

*Eupatorium* continued

†*asperrimum* Sch.-Bip. ex Baker 1876 = *Chromolaena asperrima* 200  
 †*asperulaceum* Baker 1876 = *Prazelis asperulacea* 28  
 †*astillerum* B.L. Turner = *Ageratina miquihuana* 164,204  
 †*atrescens* B.L. Robins. 1926 = *Badilloa atrescens* 208  
 †*atrocordatum* B.L. Robins. 1934 = *Ageratina atrocordata* 19  
 †*atroglandulosum* Alain 1960 = *Koanophyllum atroglandulosum* 150  
 †*aureoviride* Chod. 1902 = *Gyptis vernoniopsis* 33  
 †*austerum* B.L. Robins. 1923 = *Chromolaena austera* 29  
 †*ayapanoides* Griseb. 1866 = *Koanophyllum ayapanoides* 150  
 †*azangoroense* Sch.-Bip. ex Wedd. 1857 = *Ageratina azangoroensis* 19  
 †*azureum* DC. 1836 = *Tamaulipa azurea* 58  
 †*baccharifolium* Gardn. 1845 = *Koanophyllum baccharifolium* 150  
 †*baccharoides* H.B.K. 1818 = *Ageratina baccharoides* 19  
 †*bacleanum* DC. 1836 = *Gyptis commersii* 33  
 †*badium* Klatt 1892 = *Ageratina badia* 19,85  
 †*bahamense* Northrop 1902 = *Chromolaena bahamensis* 29  
 †*bakerianum* B.L. Robins. 1882 = *Astrobrickellia bakerianum* 82  
 †*balansae* Heiron. 1897 = *Bejaranoa balansae* 183  
 †*ballii* Oliver 1884 = *Aristeguieta ballii* 139  
 †*ballotifolium* H.B.K. 1818 = *Lourteigia ballotifolia* 68  
 †*ballotifolium* var. *caucense* B.L. Robins. = *Conoclinium prasifolium* 68  
 †*bangii* Rusby 1896 = *Chromolaena bangii* 29  
 †*barahonense* Urban 1921 = *Koanophyllum barahonense* 150  
 †*barbacense* Heiron. 1897 = *Chromolaena barbacensis* 29  
 †*barclayanum* Benth. 1845 = *Ayapana amygdalina* 229  
 †*barranquillense* Heiron. 1901 = *Chromolaena barranquillensis* 29  
 †*bartlettii* B.L. Robins. 1932 = *Critonia bartlettii* 48  
 †*basifolium* Malme 1932 = *Prazelis basifolia* 28  
 †*bathyphlebium* B.L. Robins. 1932 = *Chromolaena bathyphlebia* 29  
 †*bellidifolium* Benth. 1840 = *Ageratina bellidifolia* 19  
 †*beneolens* B.L. Robins. 1924 = *Hebeclinium beneolens* 147  
*benguentense* C.B. Rob. Philippines 226  
 †*bergantinense* Badillo 1946 = *Fleischmannia bergantinensis* 18  
 †*bertholdii* Sch.-Bip. 1856 = *Chromolaena bertholdii* 29  
 †*betonicifolium* Mill. = *Conoclinium betonicifolium* 13  
 †*betonicum* = *Conoclinium betonicifolium* 13  
 †*bigelovii* Gray 1859 = *Chromolaena bigelovii* 29  
 †*billbergianum* Beurl. 1856 = *Critonia billbergiana* 48  
 †*bimatum* Standl. & L. O. Williams = *Ageratina bimatra* 19 = *Ageratina molinae* 85 = *Fleischmannia microstemon* 85,229  
 †*blakei* B.L. Robins. 1920 = *Fleischmannia blakei* 18  
 †*blanchetii* Sch.-Bip. ex Baker 1876 = *Lasiolaena blanchetii* 96  
 †*blepharilepis* Sch.-Bip. 1856 = *Ageratina blepharilepis* 19  
 †*blumenavii* Heiron. 1897 = *Macropodina blumenavii* 91  
 †*brachychaetum* B.L. Robins. 1916 = *Antillia brachychaeta* 43  
 †*bracteatum* Gardn. = *Stomatianthes pernambucensis* 227  
*bracteatum* H. & A. 227  
 †*brandegeanum* B.L. Robins. 1923 = *Ageratina brandegeana* 19  
 †*brasiliense* Spreng. 1826 = *Pseudobrickellia brasiliensis* 83  
 †*brenesii* Standl. 1938 = *Neomirandea standleyi* 21  
 †*breviflorum* Alain 1960 = *Koanophyllum breviflorum* 150

*Eupatorium* continued

†*brevipes* DC. 1836 = *Ageratina brevipes* 19  
 †*bridgesii* B.L. Robins. 1919 = *Fleischmannia bridgesii* 18  
 †*bruneri* Gray 1884 = *Eupatoriadelphus maculatus* var. *bruneri* 190  
 †*brunneolum* Baker 1876 = *Chromolaena brunneola* 200  
 †*buddleifolium* Benth. 1844 = *Aristeguietia buddleifolia* 139  
 †*bulbosum* Aristeguieta 1957 = *Guayania bulbosa* 61  
 †*bullatissimum* (B.L. Robins.) K. & R. = *Hebeclinium bullatissimum* 37  
 †*bullatum* Klatt 1886 = *Chromolaena bullata* 29  
 †*bulleascens* B.L. Robins. 1916 = *Koanophyllum bulleascens* 150  
 †*bulliferum* Blake 1941 (based on *Eupatorium rugosum* H.B.K.) = *Cronquistianthus bulliferus* 207  
 †*buniifolium* H. & A. 1835 = *Acanthostyles buniifolius* 52  
 †*bupleurifolium* DC. 1836 = *Campovassouria bupleurifolia* 56  
 †*burchellii* Baker 1876 = *Campuloclinium burchellii* 90  
 †*bustummentum* DC. 1836 = *Ageratina bustamenta* 19  
 †*caaguazuense* Heiron. 1897 = *Chromolaena caaguazuensis* 29  
 †*cabaionum* Urban & Ekman 1931 = *Koanophyllum cabaionum* 150  
 †*cabrerae* B.L. Robins. 1930 = *Barrosoa cabrerae* 34  
 †*cacalioides* H.B.K. 1818 = *Aristeguietia cacalioides* 139  
 †*caeciliae* B.L. Robins. 1930 = *Ageratina caeciliae* 19  
 †*calaminthifolium* H.B.K. 1818 = *Ageratina calaminthifolia* 19  
 †*calaminthifolium* var. *irrasum* B.L. Robins. = *Ageratina irrasa* 19  
 †*calderillense* Heiron. 1908 = *Ageratina calderillensis* 19  
 †*calcicola* Urban 1908 = *Koanophyllum calcicola* 150  
 †*caldense* B.L. Robins. 1924 = *Chromolaena caldensis* 207  
 †*callacatense* Heiron. 1905 = *Cronquistianthus callacatensis* 156  
 †*callilepis* Sch.-Bip. ex Baker 1876 = *Chromolaena callilepis* 29  
 †*calophyllum* B.L. Robins. 1925 = *Ageratina calophylla* 19  
 †*calyculatum* H. & A. 1836 = *Disynaphia calyculata* 57  
 †*camachense* Heiron. 1908 = *Ageratina camachensis* 19  
 †*camataguaiense* Heiron. 1908 = *Kaunia camataguaiensis* 202  
*camiguinense* Merr. Philippines 226  
 †*campechense* B.L. Robins. 1907 = *Critonia campechensis* 48  
 †*campestre* DC. 1836 = *Chromolaena campestris* 29  
 †*campylocladum* B.L. Robins. 1904 = *Ageratina campyloclada* 19  
 †*candolleanum* H. & A. 1835 = *Barrosoa candolleana* 34  
*cannabinum* L. 1753 Europe, India 11, 16, 25, 226  
*capillifolium* (Lam.) Small US 11, 25, 226  
 †*capillipes* Benth. ex Oerst. 1852 = *Fleischmannia capillipes* 121  
 †*cardiophyllum* B.L. Robins. 1900 = *Ageratina cardiophylla* 19  
 †*carletonii* B.L. Robins. 1924 = *Fleischmannia carletonii* 18  
 †*carmonis* Standl. & Steyermark 1940 = *Ageratina carmonis* 207  
 †*carnosifolium* B.L. Robins. 1928 = *Diacranthera crenata* 97, 98, 175  
 †*carnosum* Kuntze 1891 = *Neomirandea carnosia* 21  
 †*carsticola* Borhidi & Muniz 1973 = *Grisebachianthus carsticola* 151  
*catense* Elm. Philippines 226  
 †*catharinense* Cabrera 1963 = *Sympphyopappus catharinensis* 130 = *Neocabreria catharinensis* 170  
 †*caucasicum* Stev. = *Eupatorium cannabinum* 226  
 †*celtidifolium* Lam. 1788 = *Koanophyllum celtidifolium* 64, 150  
 †*cerasifolium* Sch.-Bip. ex Baker 1876 = *Guayania cerasifolia* 39

*Eupatorium* continued

†*ceratophyllum* H. & A. 1835 = *Gyptis pinnatifida* 33  
 †*ceriferum* McVaugh 1972 = *Ageratina cerifera* 85  
 †*chabrense* Urban & Ekman 1931 = *Koanophyllum chabrense* 150  
 †*chachapoyasense* Cuatrecasas 1965 = *Ageratina chachapoyasensis* 19  
 †*chalceorithales* B.L. Robins. 1926 = *Koanophyllum chalceorithales* 150  
 †*chamaedrifolium* H.B.K. 1818 = *Cronquistianthus chamaedrifolius* 75  
 †*chapalense* Wats. 1891 = *Ageratina chapalensis* 19  
 †*chaparensis* B.L. Robins. 1930 = *Austroeupatorium chaparensis* 26  
 †*chasleae* B.L. Robins. 1934 = *Chromolaena chasleae* 29  
 †*chiapense* B.L. Robins. 1900 = *Ageratina chiapensis* 19  
 †*chimborazense* Heiron. 1900 = *Aristeguietia chimborazensis* 139  
*chinense* L. Asia 226  
 †*chiquitense* B.L. Robins. 1923 = *Prazelis chiquitensis* 164  
 †*chiriquense* B.L. Robins. 1918 = *Ageratina chiriquensis* 19  
 †*chlorolepis* Baker 1876 = *Campuloclinium chlorolepis* 90  
 †*chlorophyllum* Klatt = *Ageratina badia* 85  
 †*chodatii* Hassl. 1912 = *Trichogonia chodatii* 92  
 †*choricephalum* B.L. Robins. 1918 = *Ageratina choricephala* 19  
 †*choricephaloides* B.L. Robins. 1919 = *Ageratina choricephaloides* 19  
 †*chotense* Heiron. 1905 = *Cronquistianthus chotensis* 75  
 †*christeanum* Baker 1876 = *Chromolaena christeana* 29  
 †*chrysocephalum* Klatt 1895 = *Critonia chrysocephala* 48  
 †*chrysostictum* B.L. Robins. 1918 = *Chromolaena chrysosticta* 29  
 †*chrysostyloides* B.L. Robins. = *Eupatorium leonense* 80  
 †*chrysostylum* B.L. Robins. 1905 = *Flyriella chrysostyla* 80  
 †*ciliatum* Less. 1831 = *Ageratina ciliata* 19  
 †*cilioferum* Standl. & Williams ined. = *Fleischmannia ciliolifera* 121  
 †*cinereoviride* Sch.-Bip. ex Baker 1876 = *Chromolaena cinereoviridis* 29  
 †*cinereum* Baker 1882 = *Austrobrickellia bakerianum* 82  
 †*cinereum* Griseb. 1861 = *Austroeupatorium inulifolium* 229  
 †*clematideum* Griseb. 1879 = *Prazelis clematidea* 28  
 †*clementis* Alain 1960 = *Koanophyllum clementis* 150  
 †*coelocaulis* B.L. Robins. 1919 = *Grosvenoria coelocaulis* 140  
 †*coelestinum* L. 1753 US = *Conoclinium coelestinum* 13  
 †*coahuilense* Gray 1882 = *Phanerostylis coahuilensis* 81  
 †*collinum* DC. 1836 = *Chromolaena collina* 29  
 †*collodes* B.L. Robins. 1895 = *Ageratina collodes* 19  
 †*columbianum* Heering 1913 = *Chromolaena columbiana* 29  
 †*concinnum* DC. 1836 = *Neocabreria concinna* 65  
*concinnum* H. & A. 65  
 †*confluentis* B.L. Robins. 1926 = *Barrosoa confluentis* 207  
 †*congestum* H. & A. 1835 = *Chromolaena congesta* 29  
 †*conglobatum* DC. 1836 = *Koanophyllum conglobatum* 190  
 †*connivens* Rusby 1896 = *Chromolaena connivens* 29  
 †*conoclinanthium* Heiron. 1908 = *Prazelis conocephalanthia* 28  
 †*conocephaloides* Gardn. = *Trichogonia salviifolia* 187  
 †*consanguineum* DC. 1836 = *Koanophyllum consanguineum* 150  
 †*conspicuum* Kunth & Bouche 1847 = *Ageratina conspicua* 19  
 †*constipatiflorum* Klatt 1894 = *Neobartlettia constipatiflora* 36 = *Bartlettina constipatiflora* 61  
 †*contortum* C.D. Adams 1971 = *Ageratina contorta* 85

*Eupatorium* continued*conyzoides* Vahl 232†*conyzoides* Mill. 1768 = *Chromolaena odorata* 229†*conyzoides* var. *tunariense* Heiron. 1897 = *Chromolaena turnariensis* 29†*conzattii* Greenm. 1899 = *Critonia conzattii* 48†*cookii* B.L. Robins. 1919 = *Fleischmannia cookii* 18†*coriaceum* Scheele 1844 = *Dimorpholepis coriacea* 55 = *Grazielia coriacea* 67 =  
*Symphyopappus reticulata* 209*coriaceum* Spreng. 209*coriaceum* Vahl 209†*correlliorum* Plettman 1977 = *Koanophyllum correlliorum* 164†*corsicum* Reg. = *Eupatorium cannabinum* 226†*corumbense* B.L. Robins. 1934 = *Stomatianthes corumbensis* 227†*corvii* McVaugh 1972 = *Matudina corvii* 113†*corylifolium* Griseb. 1861 = *Ageratina corylifolia* 19†*corymbosum* Aubl. 1775 = *Chromolaena corymbosa* 29†*costaricense* Kuntze 1891 = *Gongrostylus costaricensis* 104†*costatipes* B.L. Robins. 1923 = *Chromolaena costatipes* 207†*coulteri* B.L. Robins. 1901 = *Koanophyllum coulteri* 64, 150†*crassicaule* Steyermark 1953 = *Guayania crassicaulis* 207†*crassiceps* B.L. Robins. 1928 = *Ageratina crassiceps* 19†*crassipes* Heiron. 1897 = *Gyptis crassipes* 164†*crassirameum* B.L. Robins. 1900 = *Ageratina crassiramea* 19 = *Pachythamnus crassirameus* 66†*cremastum* B.L. Robins. 1906 = *Ageratina cremasta* 19†*crenatum* B.L. Robins. 1900 = *Ageratina crenata* 19†*crenulatum* Spreng. = *Raulinoreitzia crenulata* 164†*cristalense* Urban = *Koanophyllum rhezioides* 150†*critoniforme* Urban 1900 = *Urbananthus critoniformis* 50†*critoniforme* var. *pubescens* C.D. Adams 1971 = *Adenocritonia adamsii* 158†*critonioides* Steetz 1853 = *Critonia morifolia* 229†*crocodilium* Standl. & Steyermark 1944 = *Fleischmannia crocodilia* 18†*cryptanthum* Sch.-Bip. ex Baker 1876 = *Chromolaena cryptantha* 200†*cuatrecasasii* K. & R. 1969 = *Hebeclinium cuatrecasasii* 37†*cubense* DC. 1836 = *Koanophyllum cubense* 150†*cuchabense* B.L. Robins. 1932 = *Ayapanopsis cuchabensis* 147†*cuencanum* B.L. Robins. 1918 = *Ageratina cuencana* 19*cuneifolium* Willd. 226†*cupressorum* Standl. & Steyermark 1944 = *Ageratina cupressora* 85 = *Piptothriz areolata* 232†*cursonii* B.L. Robins. 1906 = *Aristeguietia cursonii* 139†*cuteruense* Heiron. 1908 = *Ageratina cuteruensis* 19†*cuzcoense* Heiron. 1908 = *Ageratina cuzcoensis* 19†*cylindricum* McVaugh 1972 = *Ageratina cylindrica* 85†*cylindrocephalum* Sch.-Bip. ex Baker 1876 = *Chromolaena cylindrocephala* 200†*cynanchifolium* DC. 1836 = *Koanophyllum cynanchifolium* 150†*cyrili-nelsonii* A. Molina 1978 = *Peteravenia cyrili-nelsonii* 176†*daleoides* (DC.) Hemsl. = *Critonia daleoides* 232†*daleum* L. 1758 = *Critonia dalea* 48, 50†*dasyarpurum* Gray ex Wats. 1887 = *Stevia rapunculoides* DC. 1836 = *Steviopsis rapunculoides* 59†*dasyneurum* B.L. Robins. 1919 = *Ageratina dasyneura* 19

*Eupatorium* continued

†*debeauzii* B.L. Robins. 1923 = *Dasycondylus debeauzii* 97  
 †*decemflorum* DC. 1836 = *Austroeupatorium decemflorum* 190 = *Austroeupatorium inulifolium* 229  
 †*decipiens* Baker 1876 = *Heterocondylus decipiens* 105  
 †*decussatum* Klatt 1896 = *Koanophyllum solidaginoides* 229  
 †*delpachianum* Urban & Ekman 1931 = *Koanophyllum delpachianum* 150  
 †*deltoides* Jacq. 1798 = *Ageratina deltoides* 19  
 †*dendroides* Spreng. 1826 = *Ageratina dendroides* 19, 164  
 †*densiflorum* Morong 1893 = *Chromolaena densiflora* 29  
 †*densus* Benth. 1845 = *Asplundianthus densus* 141  
 †*dentatum* Gardn. 1847 = *Stomatianthes dentata* 227  
 †*desmocephalum* B.L. Robins. 1923 = *Chromolaena desmocephala* 207  
 †*desmophyllum* B.L. Robins. 1924 = *Cronquistianthus desmophyllum* 75  
 †*desquamans* B.L. Robins. 1900 = *Ageratina desquamans* 19  
 †*diaphanophlebium* B.L. Robins. 1918 = *Chromolaena diaphanophlebia* 200  
 †*dichroum* B.L. Robins. 1924 = *Lourteigia dichroa* 35  
 †*dictyoneurum* Urban 1903 = *Ageratina dictyoneura* 19  
 †*dictyophyllum* DC. 1836 = *Stomatianthes dictyophyllum* 227  
 †*didymum* Klatt 1894 = *Ayapanopsis didyma* 103  
 †*dielsii* B.L. Robins. 1937 = *Aristeguietia dielsii* 139  
 †*diffusum* Vahl 1794 = *Bulbostylis diffusa* = *Coleosanthus diffusus* = *Brickellia diffusa* 229  
 †*dimorpholepis* Baker 1876 = *Dimorpholepis grazielae* 55 = *Grazielia dimorpholepis* 67  
 †*diplodictyon* B.L. Robins. 1918 = *Aristeguietia diplodictyon* 139  
 †*discolor* DC. 1836 = *Aristeguietia discolor* 139  
 †*dispar* B.L. Robins. 1926 = *Neouquatrecasia dispar* 32  
 †*displatum* Gardn. 1845 = *Steyermarkina displata* 47  
*dissectum* Gray 1883 4  
 †*dissectum* (H. & A.) Benth. (*Phania*, *Podophania*) = *Hofmeisteria dissecta* 4  
 †*dissolvens* Baker 1876 = *Fleischmannia dissolvens* 18  
 †*divergens* Less. 1830 = *Osmia divergens* = *Chromolaena odorata* 229  
 †*dodoneifolium* DC. 1836 = *Ayapanopsis amygdalina* 229  
 †*dodoneifolium* H. & A. 229  
 †*dolichobase* McVaugh 1972 = *Ageratina dolichobasis* 85  
 †*dolphinii* Urban 1908 = *Koanophyllum dolphinii* 150  
 †*dombeyanum* DC. 1836 = *Ageratina dombeyana* 19  
 †*donnell-smithii* Coulter. 1891 = *Kyrstenia donnell-smithii* = *Ageratina aschenboriana* 229  
 †*drepanoides* B.L. Robins. 1919 = *Badilloa drepanoides* 142  
 †*droserolepis* B.L. Robins. 1918 = *Koanophyllum droserolepis* 150  
 †*dryadeum* DC. 1838 (*Eupatorium populifolium* Mart.) = *Hebeclinium macrophyllum* 229  
 †*dryophyllum* B.L. Robins. 1901 = *Dyscritogyne dryophyla* 60  
 †*dubium* Willd. ex Poir. 1811 = *Eupatoriadelphus dubius* 25  
 †*duodecimiflorum* Sch.-Bip. nom. nud. = *Austroeupatorium inulifolium?* 155  
 †*durandii* Klatt = *Ageratina anisochroma* 19  
 †*durangense* B.L. Robins. 1907 = *Ageratina durangensis* 19  
 †*dusenii* Malme 1933 = *Steyermarkina dusenii* 47  
 †*dussii* Urban 1908 = *Chromolaena dussii* 29  
 †*ecuadoreae* Klatt 1894 = *Heterocondylus vitalbae* 229  
 †*eggersii* Heiron. 1901 = *Critonia eggersii* 48  
 †*ehrenbergii* Hemsl. 1881 = *Neobartlettia ehrenbergii* 36 = *Bartlettina ehrenbergii* 61, 99  
 †*ejidense* Badillo 1946 = *Fleischmannia ejidensis* 162  
 †*ekmanii* B.L. Robins. 1926 = *Koanophyllum ekmanii* 150

*Eupatorium* continued

†*elatum* Steetz 1854 = *Ayapana elata* 114  
 †*elegans* H.B.K. 1818 = *Ageratina elegans* 19  
 †*ellipticum* H. & A. 1835 = *Chromolaena elliptica* 29  
 †*endytum* B.L. Robins. 1919 = *Kaunia endyta* 202  
 †*enizum* B.L. Robins. 1923 = *Ageratina eniza* 19  
 †*entreriense* Heiron. 1897 = *Austroeupatorium entreriense* 26  
 †*ericoides* DC. 1836 = *Disynaphia ericoides* 57  
 †*eriocarpum* B.L. Robins. & Greenm. 1896 = *Crilonia eriocarpa* 48  
 †*erioclinium* B.L. Robins. 1918 = *Hebeclinium erioclinium* 37  
 †*eripsimum* B.L. Robins. 1919 = *Chromolaena eripsima* 29  
 †*erodiifolium* DC. 1836 = *Gyptis pinnatifida* 33  
 †*esmeraldae* Cuatrecasas 1935 = *Ageratina esmeraldae* 85  
 †*esperanzae* Hassl. 1912 = *Ayapanopsis esperanzae* 103  
 †*espinosarum* Gray 1880 = *Ageratina espinosara* 19  
 †*ettense* B.L. Robins. 1925 = *Ageratina ellensis* 19  
 †*eucosmoides* B.L. Robins. 1925 = *Kaunia eucosmoides* 202  
 †*eucoxsum* B.L. Robins. 1920 = *Kaunia saltensis* 202  
 †*euphyes* B.L. Robins. 1923 = *Ayapanopsis euphyes* 103  
 †*exertovenosum* Klatt 1882 = *Ageratina exertovenosa* 19  
 †*eximium* B.L. Robins. 1924 = *Neomirandeae eximia* 21  
 †*extensum* Gardn. 1847 = *Chromolaena extensa* 29  
 †*farinosum* B.L. Robins. 1928 = *Chromolaena farinosa* 29  
 †*fastigiatum* H.B.K. 1818 = *Ageratina fastigiata* 19  
*fernaldii* Godfrey US 226  
 †*ferrugineum* Gardn. 1847 = *Chromolaena ferruginea* 207  
*ferrugineum* Labill. 207  
 †*filicaule* Sch.-Bip. ex Gray 1886 = *Koanophyllum solidaginoides* 229  
 †*filiifolium* Hassl. 1912 = *Disynaphia filifolia* 57  
 †*fistulosum* Barratt 1841 = *Eupatoriadelphus fistulosus* 25  
 †*fistulosum* B.L. Robins. 1904 = *Neomirandeae angularis* 21  
 †*flavidulum* Urban & Ekman 1931 = *Koanophyllum flavidulum* 150  
 †*flavisetum* B.L. Robins. 1918 = *Ageratina flaviseta* 19  
 †*flexile* B.L. Robins. 1919 = *Koanophyllum flexile* 64, 150  
 †*floribundum* H.B.K. 1818 = *Chromolaena odorata* 229  
 †*flourensifolium* B.L. Turner 1977 = *Ageratina flourensifolia* 204  
 †*foliatum* Heiron. 1897 = *Chromolaena foliata* 29 = *Chromolaena pedunculosa* 200  
*formosanum* Hoyata Formosa 226  
*fortunei* Turcz. Asia 226  
 †*fragile* B.L. Robins. 1932 = *Fleischmannia fragilis* 18  
 †*frustratum* B.L. Robins. 1911 = *Chromolaena frustrata* 29  
 †*fruticosum* Mill. 1768 = *Mikania houstoniana* 229  
 †*fuliginosum* H.B.K. 1818 = *Condylodium fuliginosum* 108  
 †*funckii* B.L. Robins. 1923 = *Ageratina funckii* 19  
 †*furcatum* Lam. = *Chromolaena furcata* 29  
 †*fuscum* N.E. Brown 1901 = *Koanophyllum fuscum* 150  
 †*gabbi* Urban 1921 = *Koanophyllum gabbi* 150  
 †*galeopsifolium* Gardn. 1847 = *Gymnocondylus galeopsifolius* 106  
 †*galeottii* B.L. Robins. = *Koanophyllum galeottii* 234  
 †*ganophyllum* Mattf. ex Pilger 1925 = *Morithamnus ganophyllum* 191  
 †*gascae* B.L. Robins. 1919 = *Aristeguietia gascae* 139

*Eupatorium* continued

†*gaudichaudianum* DC. 1836 = *Dimorpholepis gaudichaudiana* 55 = *Grazielia gaudichaudiana* 67  
 †*gayana* Wedd. 1855 = *Aristeguietia gayana* 139  
 †*geminatum* McVaugh 1972 = *Ageratina geminata* 85  
 †*geraniifolium* Urban 1899 = *Chromolaena geraniifolia* 29  
 †*gibbosum* Urban 1921 = *Koanophyllum gibbosum* 150  
 †*gilbertii* B.L. Robins. 1919 = *Ageratina gilbertii* 19  
 †*glaberrimum* DC. 1836 = *Chromolaena glaberrima* 29  
 †*glabratum* H.B.K. 1818 = *Ageratina glabrata* 19  
 †*glanduliferum* Heiron. 1900 = *Ageratina glandulifera* 19  
 †*glandulosissimum* Malme 1899 = *Ayapana amygdalina* 229  
 †*glaucum* Sch.-Bip. ex Klatt 1884 = *Ageratina glauca* 19  
 †*glechonophyllum* Less. 1831 = *Ageratina glechonophylla* 19  
 †*glehnii* F. Schmidt ex Trautv. = *Eupatorium cannabinum* 226  
 †*glischrum* B.L. Robins. 1918 = *Ageratina glischra* 19  
 †*gloecladum* B.L. Robins. 1919 = *Ageratina gloeclada* 19  
 †*glomeratum* DC. 1836 = *Cronquistianthus glomeratus* 75  
 †*glumaceum* DC. 1836 = *Condylidium iresinoides* 229  
 †*glutinosum* Lam. 1786 = *Aristeguietia glutinosa* 139  
 †*glyptophlebium* B.L. Robins. 1918 = *Ageratina glyptophlebia* 19  
 †*gongorae* Cuatrecasas 1935 = *Asplundianthus arcuans* 141  
 †*gonzalezii* B.L. Robins. 1901 = *Fleischmannia gonzalezii* 18  
 †*gracilentum* B.L. Robins. 1919 = *Ageratina gracilenta* 19  
 †*gracilicaule* Sch.-Bip. ex B.L. Robins. 1906 = *Koanophyllum gracilicaule* 150  
 †*graciliflorum* DC. 1836 = *Osmia graciliflora* = *Chromolaena odorata* 229  
 †*gracilipes* Urban 1908 = *Koanophyllum gracilipes* 150  
 †*gracile* H.B.K. 1818 = *Ageratina gracilis* 19  
 †*grande* Sch.-Bip. ex Baker 1876 = *Heterocondylus grandis* 105  
 †*grandiceps* Wright 1873 = *Koanophyllum grandiceps* 207  
 †*grandidentatum* DC. 1836 = *Ageratina grandidentata* 19  
 †*greggii* Gray = *Conoclinium greggii* 13  
 †*grisebachianum* Alain 1960 = *Koanophyllum grisebachianum* 207  
 †*griseum* Coulter. 1895 = *Peteravenia grisea* 38  
 †*grossidentatum* Heiron. 1908 = *Kaunia grossidentata* 202  
 †*guadalupense* Spreng. 1826 = *Fleischmannia microstemon* 229  
 †*guapulense* Klatt 1884 = *Hebeclinium guapulense* 37  
 †*guevarae* K. & R. 1969 = *Hebeclinium guevarae* 37  
 †*gundlachii* Urban 1903 = *Koanophyllum gundlachii* 150  
 †*gynozimorphum* Rusby ex B.L. Robins. 1920 = *Kaunia gynozimorpha* 202  
 †*gynozioides* Rusby 1907 = *Kaunia gynozimorpha* 202  
 †*gynozioides* Wedd. 1857 = *Ageratina gynozioides* 19  
 †*haenkeanum* DC. 1836 = *Chromolaena haenkeana* 29  
 †*halbertianum* McVaugh 1972 = *Ageratina halbertiana* 85  
 †*halimifolium* DC. 1836 = *Disynaphia halimifolia* 164  
 †*hammatocladium* B.L. Robins. & Britt. 1918 = *Koanophyllum hammatocladium* 150  
 †*hardwarense* G.R. Proctor & C.D. Adams 1971 = *Koanophyllum hardwarense* 150  
 †*hartii* Urban 1903 = *Ageratina hartii* 19  
 †*harvardianum* Steyermark. 1953 = *Bahianthus viscosus* 70  
 †*hastatum* L. = *Mikania hastata* 11  
 †*hastiferum* Standl. & Steyermark. 1940 = *Neobartlettia hastifera* 36 = *Bartlettina hastifera* 61

*Eupatorium* continued

†*haughtii* B.L. Robins. 1930 = *Chromolaena haughtii* 29  
 †*havanense* H.B.K. 1818 = *Ageratina havanensis* 19  
 †*hebecladum* DC. = *Barrosoa candolleana* 150  
 †*hebes* B.L. Robins. 1925 = *Ageratina hebes* 19  
 †*hederifolium* Gray 1849 = *Ageratina hederifolia* 19  
 †*helianthifolium* H.B.K. 1818 = *Badilloa helianthifolia* 142  
 †*helianthemooides* B.L. Robins. 1926 = *Koanophyllum helianthemooides* 150  
 †*hemipteropodium* B.L. Robins. = *Critonia hemipeteropodia* 48  
 †*hemisphaericum* DC. 1836 = *Bartlettina hemisphaerica* 61  
 †*heptaneurum* Urban 1913 = *Koanophyllum heptaneurum* 150  
 †*herbaceum* (Gray) Greene (*Eupatorium ageratifolium* var. *herbaceum*) = *Ageratina herbacea* 19  
 †*herrerae* B.L. Robins. 1928 = *Badilloa herrerae* 142  
 †*herzogii* B.L. Robins. 1923 = *Chromolaena herzogii* 29  
 †*heteroclinium* Griseb. 1861 = *Chromolaena heteroclinia* 29  
 †*heterolepis* B.L. Robins. 1900 = *Neomirandea heterolepis* 21 = *Neomirandea araliifolia* 229  
 †*heterophyllum* A. Rich. = *Grisebachianthus holquinensis* 151  
*heterophyllum* DC. China 151,226  
*heterophyllum* (Dulac) (Chone) 11,233  
 †*heterosquameum* Urban & Ekman 1931 = *Chromolaena heterosquamea* 156  
 †*heydeanum* B.L. Robins. 1900 = *Amolinia heydeana* 99  
 †*hickenii* Cabrera & Vittet 1954 = *Campuloclinium hickenii* 90  
 †*hidalgense* B.L. Robins. 1925 = *Ageratina hidalgensis* 19  
 †*hidrodes* B.L. Robins. 1924 = *Koanophyllum hidrodes* 150  
 †*hilarii* B.L. Robins. 1923 = *Malmeanthus hilarii* 199  
 †*hirsutum* H. & A. 1835 = *Chromolaena hirsuta* 29  
 †*hitchcockii* B.L. Robins. 1924 = *Neomirandea hitchcockii* 21 = *Neomirandea homogama* 229  
 †*holquinense* B.L. Robins. 1926 = *Chromolaena holquinensis* 29 = *Grisebachianthus holquinensis* 151  
 †*holwayanum* B.L. Robins. 1906 = *Fleischmannia holwayana* 18  
 †*hondurensis* B.L. Robins. 1930 = *Koanophyllum hondurensis* 64,150  
 †*hookerianum* Griseb. 1874 = *Chromolaena hookeriana* 200  
 †*horminooides* var. *calamocephalum* Baker 1876 = *Chromolaena calamocephala* 29  
 †*horsfieldii* Miq. 1856 = *Austroeupatorium inulifolium* 229  
 †*hosanense* B.L. Robins. 1932 = *Kaunia hosanensis* 202  
 †*hospitale* B.L. Robins. 1907 = *Critonia hospitalis* 48,49  
 †*hotteanum* Urban & Ekman 1931 = *Koanophyllum hotteanum* 150  
 †*houstonianum* L. 1753 = *Mikania houstoniana* 229  
 †*houstonis* L. 1759 = *Mikania houstonis* = *Willoughbya houstonis* = *Mikania houstoniana* 229  
 †*huantae* B.L. Robins. 1934 = *Koanophyllum huantae* 64,150  
 †*huigrense* B.L. Robins. 1920 = *Fleischmannia huigrensis* 18  
 †*humboldtii* Heiron. 1901 = *Ageratina humboldtii* 19  
 †*hyemale* Lillo nom. nud. = *Kaunia lasiophthalma* 202  
 †*hygrohylaeum* B.L. Robins. 1926 = *Hebeclinium hygrohylaeum* 37  
 †*hyrophilum* Alain 1960 = *Spaniopappus hyrophilus* 20  
 †*hylibates* B.L. Robins. 1918 = *Jaramilloa hylibates* 196  
 †*hylobium* B.L. Robins. 1904 = *Neobarlettia hylobia* 36 = *Bartlettina hylobia* 61  
 †*hyلونомум* B.L. Robins. 1904 = *Koanophyllum hyلونомум* 64,150

*Eupatorium* continued

†*hylophilum* B.L. Robins. 1919 = *Ayapana hylophila* 30  
 †*hylophorum* B.L. Robins. 1934 = *Hebeclinium hylophorum* 61  
 †*hymenophyllum* Klatt 1892 = *Fleischmannia hymenophylla* 18  
 †*hypargyrum* B.L. Robins. 1919 = *Grosvenoria hypargyra* 140  
 †*hypericifolium* H.B.K. 1818 = *Chromolaena hypericifolia* 29  
 †*hypodictyon* B.L. Robins. 1904 = *Chromolaena hypodictya* 207  
 †*hypoleucum* Griseb. 1863 = *Grisebachianthus hypoleucus* 151  
 †*hypomalacum* B.L. Robins. ex Donn. Smith 1903 = *Koanophyllum hypomalacum* 64, 150  
 †*hypomalacum* var. *wetmorei* B.L. Robins. 1934 = *Koanophyllum wetmorei* 150  
*hyssopifolium* L. US 226, 230  
 †*hyssopinum* Gray 1880 = *Ageratina hyssopina* 19  
 †*ibaguense* Sch.-Bip. ex Heiron. 1908 = *Ageratina ibaguensis* 19  
 †*idiostylum* B.L. Robins. 1911 = *Spaniopappus idiostylus* 20  
 †*ignoratum* Heiron. 1908 = *Kaunia ignorata* 202  
 †*ignotum* Badillo 1946 = *Fleischmannia ignota* 162  
 †*illitum* Urban 1903 = *Ageratina illita* 19  
 †*imitans* B.L. Robins. 1923 = *Fleischmannia imitans* 18  
 †*inaequidans* Urban 1899 = *Critonia inaequidans* 48  
 †*incarnatum* Walt. 1788 = *Fleischmannia incarnata* 18  
 †*incarum* B.L. Robins. 1917 = *Nothobaccharis candolleana* 174  
*incisum* A. Rich. 1792 150  
 †*incisum* Griseb. 1866 = *Koanophyllum incisum* 150 = *Eupatorium grisebachianum* 207 =  
*Koanophyllum grisebachianum* 207  
 †*incomptum* DC. 1836 = *Decachaeta incompta* 16  
 †*insigne* Malme 1932 = *Prazelis insignis* 28  
 †*integrifolium* Bert. ex Spreng. 1826 = *Chromolaena integrifolia* 29  
 †*intercostulatum* B.L. Robins. 1918 = *Ageratina intercostulata* 19  
 †*intermedium* DC. 1836 = *Dimorpholepis intermedia* 55 = *Grazielia intermedia* 67  
 †*inulifolium* H.B.K. 1818 = *Austroeupatorium inulifolium* 26  
 †*involucratum* Sch.-Bip. nom. nud. = *Grazielia schultzii* 209  
 †*iodotrichum* B.L. Robins. 1919 = *Ageratina iodotricha* 19  
 †*iresinoides* H.B.K. 1818 = *Condylidium iresinoides* 102  
 †*iridolepis* B.L. Robins. 1918 = *Chromolaena iridolepis* 29  
 †*isillumense* B.L. Robins. 1919 = *Koanophyllum isillumense* 150  
 †*isolepis* B.L. Robins. 1907 = *Ageratina isolepis* 19  
 †*itacolumiense* Sch.-Bip. ex Baker 1876 = *Heterocondylus itacolumiensis* 105  
 †*itatiayense* Heiron. 1897 = *Sympyopappus itatiayensis* 54  
 †*iteophyllum* Urban & Ekman 1931 = *Koanophyllum iteophyllum* 150  
 †*ivifolium* (L.) K. & R. 1759 = *Osmia ivifolia* = *Chromolaena ivifolia* 29  
 †*iziocladon* Benth. ex Oerst. 1852 = *Ageratina izioclada* 19  
 †*izodes* Benth. 1840 = *Ayapana amygdalina* 229  
 †*jaegerianum* Urban 1903 = *Koanophyllum jaegerianum* 150  
 †*jahnii* B.L. Robins. 1918 = *Ageratina jahnii* 19  
 †*jajoense* Aristeguieta 1964 = *Hebeclinium jajoense* 37  
 †*japonicum* Thunb. = *Eupatorium chinense* 226  
 †*jaraguense* B.L. Robins. 1928 = *Heterocondylus jaraguensis* 105  
 †*jejunum* Standl. & Steyermark 1944 = *Fleischmannia jejuna* 18 = *Fleischmannia capillipes*  
     121  
 †*jelskii* Heiron. 1905 = *Chromolaena jelskii* 29  
 †*jensenii* Urban 1921 = *Koanophyllum jensenii* 150  
 †*jugipaniculatum* Rusby 1907 = *Koanophyllum jugipaniculatum* 150

*Eupatorium* continued

†*jujuense* Heiron. 1897 = *Chromolaena jujuiensis* 29  
 †*juninense* B.L. Robins. 1926 = *Koanophyllum juninense* 150  
 †*kalenbornianum* B.L. Robins. = *Cronquistianthus kalenbornianus* 75  
 †*karuaiense* Badillo 1946 = *Prazelis kauraiensis* 28  
 †*karwinskianum* DC. 1836 = *Neobartlettia karwinskiana* 36 = *Bartlettina karwinskiana* 61  
 †*kavanayense* Badillo 1946 = *Koanophyllum kavanayense* 150  
 †*killipii* B.L. Robins. 1926 = *Hebeclinium killipii* 150  
 †*klattianum* Heiron. 1901 = *Fleischmannia klattiana* 18  
 †*klattii* Millsp. 1900 = *Chromolaena odorata* 229  
 †*kleinii* Cabrera 1959 = *Chromolaena kleinii* 29  
 †*kleinoides* H.B.K. 1818 = *Prazelis kleinoides* 28  
 †*kupperi* Suesseng 1942 = *Ageratina kupperi* 19  
 †*laetevirens* H. & A. 1835 = *Austroeupatorium laetevirens* 26,71  
 †*laeve* DC. = *Koanophyllum tinctorium* 72,150  
 †*laevigatum* Lam. 1788 = *Chromolaena laevigata* 29  
 †*lamiifolium* H.B.K. 1818 = *Aristeguietia lamiifolia* 139  
 †*lanicaulis* B.L. Robins. 1900 = *Critonia lanicaulis* 48  
 †*lanigerum* H. & A. 1835 = *Gyptis lanigera* 33,164  
 †*lantanifolium* Griseb. 1863 = *Grisebachianthus lantanifolius* 151  
 †*lanulatum* B.L. Robins. 1918 = *Lourteigia lanulata* 35  
 †*larense* Badillo 1946 = *Chromolaena larense* 162  
 †*lasioneuron* H. & A. 1838 = *Ageratina lasioneura* 85  
 †*lasiphthalmum* Griseb. 1874 = *Kaunia lasiophthalma* 202  
 †*lasium* B.L. Robins. 1923 = *Ageratina lasia* 19  
 †*latipaniculatum* Rusby 1907 = *Ayapanopsis latipaniculata* 103  
 †*latipes* Benth. 1845 = *Ageratina latipes* 164  
 †*laurifolium* B.L. Robins. 1904 = *Critonia laurifolia* 48  
 †*lavendulifolium* DC. 1836 = *Cronquistianthus lavendulifolius* 75  
 †*lazicephalum* Cabrera 1963 = *Fleischmannia lazicephala* 18  
 †*lazum* Gardn. 1846 = *Fleischmannia laza* 18  
 †*lebrijense* B.L. Robins. 1928 = *Critoniella lebrijensis* 138  
*lecheifolium* Greene US 226  
 †*leivense* Heiron. 1895 = *Chromolaena leivensis* 29  
 †*lemonii* B.L. Robins. 1884 = *Ageratina lemonii* 19  
 †*leonense* B.L. Robins. 1901 = *Flyriella leonensis* 80  
 †*leptocephalum* DC. 1836 = *Chromolaena leptocephala* 29  
 †*leptodictyon* Gray 1887 = *Ageratina leptodictyon* 19  
 †*leptolepis* Baker 1876 = *Heterocondylus leptolepis* 105  
*leptophyllum* DC. US, Cuba 226  
 †*leucocephalum* Benth. 1841 = *Fleischmanniopsis leucocephala* 45  
 †*leucocephalum* var. *anodontum* B.L. Robins. 1916 = *Fleischmanniopsis leucocephala* var. *anodontia* 163  
 †*leucolithogenum* B.L. Robins. 1928 = *Hebeclinium leucolithogenum* 147 = *Critoniella leucolithogena* 156  
 †*leucophyllum* H.B.K. 1818 = *Cronquistianthus leucophyllum* 75  
 †*libanoticum* Sch.-Bip. 1863 = *Grisebachianthus libanoticus* 151  
 †*liebmannii* Sch.-Bip. ex Klatt 1884 = *Ageratina liebmannii* 19  
 †*ligulifolium* H. & A. 1835 = *Disynaphia ligulifolia* 57  
 †*ligustrinum* DC. 1836 = *Ageratina ligustrina* 19  
 †*lilacinum* Heiron. 1897 = *Chromolaena lilacina* 29  
 †*hiloi* B.L. Robins. 1930 = *Idiothamnus hiloi* 155

*Eupatorium* continued

†*ändenianum* A. Rich. 1853 = *Koanophyllum ändenianum* 150  
*hindleyanum* DC. Asia, Philippines 226  
 †*lineare* Malme 1932 = *Chromolaena linearis* 29  
 †*lithophilum* B.L. Robins. 1924 = *Fleischmannia lithophila* 18  
 †*littorale* Alain 1960 = *Koanophyllum littorale* 150  
 †*littorale* Cabrera 1959 = *Disynaphia littoralis* 57  
 †*lloensis* Heiron. 1901 = *Fleischmannia lloensis* 18  
 †*lobatifolium* Cabrera 1963 = *Koanophyllum lobatifolium* 130, 150  
 †*lobatum* B.L. Robins. 1919 = *Neocuatrecasia lobata* 32  
 †*lobbii* Klatt 1894 = *Dasycondylus lobbii* 97  
 †*lobuliferum* B.L. Robins. 1926 = *Ageratina lobulifera* 19  
 †*loesgrenii* B.L. Robins. 1934 = *Stomatianthes loesgrenii* 227  
 †*loeseneri* B.L. Robins. 1900 = *Ageratina loeseneri* 19  
 †*longifolium* B.L. Robins. 1901 = *Koanophyllum longifolium* 64, 150  
 †*longipes* = *Phanerostylis pedunculosa* 100  
 †*longipetiolatum* Sch.-Bip. ex Rusby 1893 = *Ageratina longipetiolata* 85 = *Kaunia longipetiolata* 202  
 †*longipetiolatum* var. *arbusculare* B.L. Robins. 1920 = *Kaunia arbuscularis* 202  
 †*loniceroides* H.B.K. 1818 = *Ayapana amygdalina* 229  
 †*lorentzii* Heiron. 1897 = *Ageratina lorentzii* 19  
 †*lozanoanum* B.L. Robins. 1905 = *Critonia lozanoana* 48  
 †*lucayanum* Britt. 1920 = *Chromolaena lucayana* 29  
*lucentifolium* L.O. Williams 232  
 †*luciae-brauniae* Fern. 1942 = *Ageratina luciae-brauniae* 19  
 †*lucidum* Ortega 1797 = *Ageratina lucida* 19  
 †*luguense* Chod. 1901 = *Chromolaena luguensis* 29  
*lundianum* 97  
 †*luzii* B.L. Robins. 1901 = *Neobartlettia luzii* 36 = *Bartlettina luzii* 61  
 †*lysimachioides* Chod. 1902 = *Heterocondylus lysimachioides* 105  
 †*macbridei* B.L. Robins. 1923 = *Ageratina macbridei* 19  
 †*macranthum* Sw. 1806 = *Chromolaena macrantha* 29  
 †*macrocephalum* Less. = *Campuloclinium macrocephalum* 11  
 †*macromeria* B.L. Robins. 1923 = *Bartlettina macromeria* 207  
 †*macrophyllum* L. 1763 = *Hebeclinium macrophyllum* 37  
 †*macrum* Standl. & Steyerl. = *Condylidium iresinoides* 229, 232  
 †*maculatum* L. 1755 = *Eupatoriadelphus maculatus* 25  
 †*maestrense* Urban 1903 = *Koanophyllum maestrense* 150  
 †*magdalenense* B.L. Robins. 1918 = *Fleischmannia magdalenensis* 18  
 †*magistri* L.O. Williams 1975 = *Critonia magistri* 164  
 †*mairetianum* DC. 1836 = *Ageratina mairetiana* 19  
 †*malacolepis* B.L. Robins. 1909 = *Ageratina malacolepis* 19  
 †*malachophyllum* Klatt 1892 = *Neocabreria malachophylla* 65  
 †*mallotum* B.L. Robins. 1919 = *Chromolaena mallota* 29  
 †*malvifolium* DC. 1836 = *Peteravenia malvifolia* 38  
 †*mancoanum* B.L. Robins. 1930 = *Neocuatrecasia mancoana* 32  
 †*mapiriense* Heiron. 1908 = *Austroeupatorium mapiriense* 26 = *Austroeupatorium decemflorum* 190  
 †*margaritense* Hassl. 1916 = *Chromolaena margaritensis* 29  
 †*marginatum* Poepp. & Endl. 1845 = *Fleischmannia marginata* 18  
 †*mariarum* B.L. Robins. 1901 = *Ageratina mariara* 19  
 †*marquezianum* Gomez de la Maza 1889 (*Mikania mollis*) = *Mikania cordifolia* 229

*Eupatorium* continued

†*marrubifolium* Heiron. 1905 = *Cronquistianthus marubiifolius* 119  
 †*mathewssii* B.L. Robins. 1919 = *Ayapanopsis mathewssii* 103  
 †*mattogrossense* Heiron. 1897 = *Chromolaena mattogrossensis* 29  
 †*mazimillianii* Schrad. ex DC. 1836 = *Chromolaena mazimillianii* 207  
 †*mazonii* B.L. Robins. 1918 = *Neobartlettia mazonii* 36 = *Bartlettina mazonii* 61  
 †*mayarense* Alain 1960 = *Grisebachianthus mayarensis* 151  
 †*mayorii* B.L. Robins. 1923 = *Fleischmannia mayorii* 18  
 †*megacephalum* Mart. ex Baker 1876 = *Campuloclinium megacephalum* 90  
 †*megaphyllum* Baker 1876 = *Critonia megaphylla* 207 = *Critonia morifolia* 229  
*melanadenium* Hance China 226  
 †*memorabile* Maguire & Wurdack 1957 = *Ineria memorabilis* 152  
 †*mendax* Standl. & Steyerl. 1944 = *Fleischmanniopsis mendax* 45  
 †*mendezii* DC. 1836 = *Chromolaena mendezii* 156  
 †*mercedense* B.L. Robins. 1934 = *Fleischmannia mercedensis* 18  
 †*meridense* B.L. Robins. 1918 = *Chromolaena meridensis* 29  
 †*mesoreopolum* B.L. Robins. 1924 = *Koanophyllum mesoreopolum* 150  
 †*metense* B.L. Robins. 1919 = *Barrosoa metensis* 95  
 †*meziae* B.L. Robins. = *Neobartlettia meziae* 36 = *Bartlettina hemisphaerica* 61  
 †*meyeri* Pilger 1901 = *Chromolaena asperrima* 200  
 †*microcephalum* Gray 1886 = *Decachaeta scabrella* 16  
*microcephalum* Regel 1860 16  
 †*microchaetum* Urban & Ekman 1931 = *Koanophyllum microchaetum* 150  
 †*microdon* B.L. Robins. 1918 = *Critoniadelphus microdon* 49  
 †*microphyllum* L. 1782 = *Lourteigia microphylla* 35  
 †*microstemon* Cass. 1822 = *Fleischmannia microstemon* 18  
 †*mikaniifolium* B.L. Robins. 1934 = *Chacoa mikaniifolia* 154 = *Bishovia mikaniifolia* 182  
*mikanioides* Chapm. US 226  
 †*militare* B.L. Robins. 1922 = *Gyptidium militare* 69  
 †*mimicum* Standl. & Steyerl. 1944 = *Koanophyllum mimicum* 64, 150  
 †*minasgeraeense* Heiron. 1897 = *Chromolaena minasgeraeensis* 200  
 †*minutifolium* Alain 1960 = *Koanophyllum minutifolium* 150  
 †*miquihuana* B.L. Turner 1977 = *Ageratina miquihuana* 164  
 †*miragoanae* Urban 1921 = *Koanophyllum miragoanae* 150  
 †*misellum* McVaugh 1972 = *Chromolaena misella* 100  
 †*miserum* B.L. Robins. 1918 = *Fleischmannia misera* 18  
 †*missionum* Malme 1932 = *Praxelis missiona* 28  
 †*modestum* Kunth 1847 = *Ageratina modesta* 85  
 †*molinum* B.L. Robins. 1923 = *Chromolaena molina* 29  
 †*molle* Sw. 1788 = *Hebeclinium macrophyllum* 229  
 †*molle* H.B.K. 1818 = *Austroeupatorium inulifolium* 229  
 †*mollicomum* B.L. Robins. 1923 = *Grazielia mollicoma* 207  
 †*mollissimum* Sch.-Bip. 1876 = *Dimorpholepis mollissima* 55 = *Grazielia mollissima* 67  
 †*monagasense* Badillo 1946 = *Fleischmannia monagasensis* 121  
 †*monanthum* Sch.-Bip. 1856 = *Neohintonia monantha* 62  
 †*monardifolium* Walp. 1840 = *Austroeupatorium monardifolium* 26 = *Austroeupatorium silphiifolium* 215  
 †*mononeurum* Urban 1903 = *Chromolaena mononeura* 29  
 †*montanum* Sw. 1788 = *Koanophyllum montanum* 150  
 †*monticola* L.O. Williams = *Ageratina subpenninervia* 232 = *Ageratina subinclusa* 168  
 †*montigenum* Standl. & Steyerl. 1947 = *Bartlettina montigena* 167  
 †*morichalanum* Aristeguieta = *Barrosoa morichalana* 34

*Eupatorium* continued

†*morifolium* Mill. 1768 = *Critonia morifolia* 48  
 †*morilibense* B.L. Robins. 1934 = *Prolobus nitidulus* 213  
 †*moritense* Aristeguieta 1964 = *Chromolaena moritensis* 162  
 †*moritzianum* Sch.-Bip. ex Heiron. 1901 = *Chromolaena moritziana* 29  
 †*mornicola* Urban & Ekman 1931 = *Chromolaena mornicola* 29 = *Koanophyllum mornicola* 150  
 †*mortonianum* Alain 1960 = *Ageratina mortoniana* 19  
 †*mucronatum* Gardn. 1847 = *Chromolaena mucronata* 164  
 †*muelleri* Sch.-Bip. ex Klatt = *Ageratina muelleri* 19  
 †*multicrenulatum* Sch.-Bip. ex Baker = *Disynaphia multicrenulata* 57  
 †*multifidum* DC. 1836 = *Dimorpholepis multifida* 55 = *Grazielia multifida* 67  
 †*multiflosculosum* DC. 1836 = *Chromolaena multiflosculosa* 29  
 †*multinerve* Benth. 1841 = *Fleischmannia multinervis* 18  
 †*multiserratum* Sch.-Bip. 1856 = *Ageratina multiserrata* 85  
 †*muricatum* Alain 1960 = *Koanophyllum muricatum* 150  
 †*mutisiiense* B.L. Robins. 1928 = *Ageratina mutisiiensis* 85  
 †*mygindifolium* Gray 1881 = *Ageratina mygindifolia* 19  
 †*myrianthum* Klatt 1895 = *Decachaeta thieleana* 16  
 †*myriocephalum* Gardn. 1847 = *Chromolaena myriocephala* 29  
 †*myriocephalum* Klatt 1889 = *Decachaeta thieleana* 16  
 †*myrtilloides* DC. 1836 = *Koanophyllum myrtilloides* 150  
 †*neglectum* B.L. Robins. 1923 = *Austroeupatorium neglectum* 26  
 †*nelsonii* B.L. Robins. 1900 = *Kyrsteniopsis nelsonii* 63  
 †*nemorosum* Klatt 1887 = *Polyanthina nemorosa* 31  
 †*neriifolium* B.L. Robins. 1922 = *Ageratina neriifolia* 19  
 †*nervosum* Sw. 1788 = *Koanophyllum nervosum* 150  
 †*nicaraguense* B.L. Robins. 1920 = *Critonia nicaraguensis* 48  
 †*niederleinii* Heiron. 1897 = *Neocabreria malachophylla* 65  
 †*nipense* B.L. Robins. 1926 = *Grisebachianthus nipensis* 151  
 †*nitidulum* Baker 1876 = *Prolobus nitidulus* 213  
 †*niveum* H.B.K. 1818 = *Cronquistianthus niveus* 75  
 †*niz* Standl. & Williams ined. = *Fleischmannia niz* 121  
 †*nubigenoides* B.L. Robins. 1909 = *Fleischmanniopsis nubigenoides* 45  
 †*nubigenum* Benth. 1841 = *Critoniadelphus nubigenus* 49  
 †*nubivagum* L.O. Williams = *Ageratina prunellifolia* 232  
 †*nudiflorum* A. Rich. 1853 = *Koanophyllum nudiflorum* 150  
 †*nummularium* H. & A. 1835 = *Dimorpholepis nummularia* 55 = *Grazielia nummularia* 67  
 †*oaxacanum* Klatt 1882 = *Ageratina oaxacana* 156  
 †*oblongifolium* Sch.-Bip. ex Baker 1876 = *Gyptis oblongifolius* 33 = *Stomatianthes oblongifolius* 227  
 †*obscurifolium* Heiron. 1900 = *Fleischmannia obscurifolia* 18  
 †*obtusisquamsum* Heiron. ex Sodiro 1900 = *Hebeclinium obtusisquamsum* 207  
 †*obtusissimum* DC. 1836 = *Koanophyllum obtusissimum* 150  
 †*oceanense* B.L. Robins. 1923 = *Ageratina oceanensis* 19  
 †*occidentale* Hook. 1833 = *Ageratina occidentalis* 19  
 †*odontodactylum* B.L. Robins. 1925 = *Prazelis odontodactyla* 28  
 †*odoratum* L. 1759 = *Heterolaena odorata* = *Osmia odorata* = *Chromolaena odorata* 29  
 †*oerstedianum* Benth. ex Oerst. 1852 = *Chromolaena oerstediana* 29  
 †*oligadenium* Alain 1960 = *Koanophyllum oligadenium* 150  
 †*oligocephalum* DC. 1836 = *Ageratina oligocephala* 19

*Eupatorium* continued

†*omphalifolium* Kunth & Bouche ex Walp. 1846 = *Neomirandea araliifolia* 229  
 †*opadoclinium* Blake 1938 = *Chromolaena opadoclinia* 29  
 †*orbiculatum* DC. 1836 = *Vittetia orbiculata* 129  
 †*orbignyanum* Klatt 1882 = *Chromolaena orbigniana* 29  
 †*oreophilum* L.O. Williams 1975 = *Neomirandea biflora* 232  
 †*oresbia* B.L. Robins. 1900 = *Neobartlettia oresbia* 36 = *Bartlettina oresbia* 61  
 †*oresbioides* B.L. Robins. 1909 = *Neobartlettia oresbioides* 36 = *Bartlettina oresbioides* 61  
 †*organense* Gardn. 1845 = *Barrosoa organensis* 95  
 †*orgyale* DC. = *Austroeupatorium inulifolium*? 155  
 †*orgyaloides* B.L. Robins. 1919 = *Idiothamnus orgyaloides* 155  
 †*orianaoides* H.B.K. 1818 = *Cronquistianthus orianaoides* 75  
 †*ornatilobum* B.L. Robins. 1928 = *Ayapana ornatiloba* & *Lourteigia ornatiloba* 30,35  
 †*ornithophorum* B.L. Robins. 1918 = *Ayapana ornithophora* 32  
 †*orogenes* L.O. Williams 1975 = *Neomirandea parasitica* 232  
 †*ortegae* B.L. Robins. 1925 = *Chromolaena ortegae* 29  
 †*ossaeum* DC. 1836 = *Chromolaena ossaeana* 29  
 †*ostenii* B.L. Robins. 1933 = *Prazelis ostenii* 28  
 †*oteroi* Monachino 1948 = *Chromolaena oteroii* 29  
 †*ovaliflorum* H. & A. 1838 = *Chromolaena ovaliflora* 29  
 †*ovandense* Grashoff & Beaman ined. 1969 = *Decachaeta ovandensis* 16  
 †*ovillum* Standl. & Steyermark. 1940 = *Ageratina ovilla* 19  
 †*oxycalaenum* DC. 1836 = *Ayapana amygdalina* 229  
 †*oxylepis* DC. 1836 = *Chromolaena oxylepis* 29  
 †*oyadense* Heiron. 1897 = *Chromolaena oyadensis* 29  
 †*pacacanum* Klatt 1895 = *Fleischmannia pratensis* 229  
 †*pachanoi* B.L. Robins. 1919 = *Kaunia pachanoi* 202  
 †*pachyneurum* Urban 1921 = *Koanophyllum pachyneurum* 150  
 †*pachypodium* B.L. Robins. 1901 = *Ageratina pachypoda* 19  
 †*pacificum* B.L. Robins. 1931 = *Ageratina pacifica* 19  
 †*paezense* Heiron. 1901 = *Neobartlettia paezensis* 36 = *Bartlettina paezensis* 61  
 †*pallescens* DC. 1836 = *Austroeupatorium inulifolium* 229  
 †*pallidum* H. & A. 1836 = *Austroeupatorium inulifolium* 229  
 †*palmare* Sch.-Bip. ex Baker 1876 = *Chromolaena palmaris* 29  
 †*palmeri* Gray 1886 = *Koanophyllum palmeri* 64,150  
 †*pampalense* B.L. Robins. 1934 = *Ageratina pampalensis* 19  
 †*pandurifolium* Baker 1876 = *Heterocondylus pandurifolius* 105  
*paniculatum* Mill. 1768 229  
 †*paniculatum* Schrad. 1832 = *Fleischmannia microstemon* 229  
 †*pansamalense* B.L. Robins. 1901 = *Neobartlettia pansamalensis* 36 = *Bartlettina pansamalensis* 61  
 †*paraguariense* Heiron. 1897 = *Chromolaena paraguariensis* 29  
 †*paramense* Aristeguieta 1964 = *Ageratina paramensis* 19  
 †*paranense* H. & A. 1836 = *Austroeupatorium inulifolium* 229  
 †*parasiticum* Klatt 1894 = *Neomirandea parasitica* 21  
 †*parryi* Gray 1859 = *Flyriella parryi* 80  
 †*parviceps* Malme 1932 = *Chromolaena parviceps* 29  
 †*parviflorum* Sweet 1788 = *Critonia parviflora* 48  
 †*parvulum* Glaziou ex B.L. Robins. 1924 = *Campuloclinium parvulum* 90,164  
 †*pastazae* B.L. Robins. 1937 = *Fleischmannia pastazae* 207  
 †*patagonicum* Klatt = *Eupatorium patens* 82 = *Austrobrickellia patens* 82  
 †*patens* Don ex H. & A. 1835 = *Austrobrickellia patens* 82

*Eupatorium* continued

†*paucibracteatum* Alain 1960 = *Ageratina paucibracteata* 19  
 †*paucicrenatum* Urban & Ekman 1931 = *Koanophyllum paucicrenatum* 150  
 †*pauciflorum* H.B.K. 1818 = *Prazelis pauciflora* 28  
 †*paulinum* DC. 1836 = *Austroeupatorium paulinum* 26  
 †*pauperculum* Gray 1881 = *Ageratina paupercula* 19  
 †*pazcuarensis* H.B.K. 1818 = *Ageratina pazcuarensis* 19  
 †*pedale* Sch.-Bip. ex Baker 1876 = *Chromolaena pedalis* 29  
 †*pedunculosum* H. & A. 1835 = *Chromolaena pedunculosa* 200  
 †*pellium* Klatt 1894 = *Chromolaena pellia* 29  
 †*pelotrophum* B.L. Robins. 1906 = *Ageratina pelotropha* 19  
 †*peninsulare* Brandeg. 1899 = *Critonia peninsularis* 48  
 †*pennellii* B.L. Robins. 1918 = *Fleischmannia pennellii* 18  
 †*penninervatum* Wurdack 1953 = *Guayania penninervata* 39  
 †*pentlandianum* DC. 1836 = *Ageratina pentlandiana* 19  
 †*pereziooides* B.L. Robins. 1918 = *Aristeguietia pereziooides* 139 = *Bartlettina pereziooides* 197  
*perfoliatum* L. US 11,25,226,230  
 †*perforatum* Sch.-Bip. ex Baker 1876 = *Chromolaena perforata* 29  
 †*perglabrum* B.L. Robins. 1928 = *Chromolaena perglabra* 29  
 †*pernambucense* B.L. Robins. 1930 = *Stomatianthes pernambucensis* 227  
 †*perornatum* Klatt 1884 = *Decachaeta perornata* 37  
 †*persicifolium* H.B.K. 1818 = *Aristeguietia persicifolia* 139  
*petaloideum* Britt. US 226  
 †*petiolarie* Moc. & Ses. ex DC. 1836 = *Ageratina petiolaris* 19  
 †*petraeum* B.L. Robins. 1905 = *Ophryosporus petraeus* = *Decachaeta ovatifolia* 16  
 †*petrophilum* B.L. Robins. 1926 = *Austroeupatorium petrophilum* 26  
 †*phaniooides* Urban & Ekman 1931 = *Koanophyllum phaniooides* 150  
 †*pharcidodes* B.L. Robins. 1931 = *Chromolaena pharcidodes* 29  
 †*phlebodes* B.L. Robins. 1932 = *Trichogonia phlebodes* 92  
 †*phoenicolepis* B.L. Robins. 1900 = *Peteravenia phoenicolepis* 38  
 †*phoenicticum* (B.L. Robins.) K. & R. = *Hebeclinium phoenicticum* 37  
 †*photinum* B.L. Robins. 1900 = *Ageratina photina* 19  
 †*picardae* Urban 1921 = *Koanophyllum picardae* 150  
 †*pichinchense* H.B.K. 1818 = *Ageratina pichinchensis* 19  
 †*pictum* Gardn. 1847 = *Chromolaena picta* 200  
 †*picturatum* Malme 1899 = *Austroeupatorium picturatum* 26  
 †*pilluanense* Heiron. 1906 = *Ayapana pilluanensis* 159  
*pilosum* Walt. US 226  
 †*pinabetense* B.L. Robins. 1901 = *Neobartlettia pinabetensis* 36 = *Bartlettina pinabetensis* 61  
*pinnatifidum* Ell. US 226  
 †*pinetorum* L.O. Williams & Molina 1975 = *Critonia hebebotrya* 232  
 †*pithecobium* B.L. Robins. 1924 = *Neomirandeoa pithecoibia* 21  
 †*pitonianum* Urban & Ekman 1931 = *Koanophyllum pitonianum* 150  
 †*pittieri* Klatt 1892 = *Koanophyllum pittieri* 64,150  
 †*piurae* B.L. Robins. 1926 = *Ageratina piurae* 19  
 †*platychaetum* Urban 1921 = *Critonia platychaeta* 74  
 †*platylepis* Baker 1876 = *Dasycondylus platylepis* 97  
 †*platyphyllum* B.L. Robins. 1900 = *Neobartlettia platyphylla* 36 = *Bartlettina platyphylla* 61  
 †*plectranthifolium* Benth. ex Oerst. 1852 = *Fleischmannia plectranthifolia* 18

*Eupatorium* continued

†*plethadenium* Standl. & Steyermark 1944 = *Ageratina plethadenia* 85  
 †*plicatum* Urban 1908 = *Koanophyllum plicatum* 64 = *Koanophyllum celtidifolium* 150  
 †*plucheoides* Griseb. 1863 = *Grisebachianthus plucheoides* 151  
 †*plumieri* Urban & Ekman 1931 = *Chromolaena plumieri* 29 = *Osmiopsis plumieri* 149  
 †*pluriseriatum* B.L. Robins. 1911 = *Urbananthus pluriseriatus* 50  
 †*poeppigii* Spreng. = *Koanophyllum villosum* 150  
 †*polanthum* Klatt 1895 = *Ageratina anisochroma* 229  
 †*polopolense* B.L. Robins. 1920 = *Fleischmannia polopolensis* 18  
 †*polyanthum* Sch.-Bip. ex Baker 1876 = *Chromolaena polyantha* 29  
 †*polybotrium* DC. 1836 = *Decachaeta ovatifolia* 16  
 †*polycephalum* Sch.-Bip. ex B.L. Robins 1926 = *Stomatianthes polycephalus* 227  
 †*polycladum* Dusen ex Malme 1933 = *Hatschbachiella polyclada* 71  
 †*polyodon* Urban 1900 = *Koanophyllum polyodon* 150  
 †*polystictum* Urban 1903 = *Koanophyllum polystictum* 150  
 †*pomaderrisolum* Benth. 1845 = *Ageratina pomaderrisolia* 19  
 †*popayanense* Heiron. 1908 = *Ageratina popayanensis* 19  
 †*populifolium* H.B.K. 1818 = *Critonia morifolia* 229  
 †*populifolium* Mart. 1876 = *Hebeclinium macrophyllum* 229  
 †*porophylloides* B.L. Robins. 1923 = *Chromolaena porophylloides* 207  
 †*porphyrantherum* Gray 1880 = *Fleischmannia porphyranthera* 18  
 †*porphyrocladum* Urban & Ekman 1931 = *Koanophyllum porphyrocladum* 150  
 †*porphyrolepis* Baker 1876 = *Chromolaena porphyrolepis* 29  
 †*porriginosum* B.L. Robins. 1925 = *Ageratina porriginosa* 19  
 †*portoricense* Urban 1899 = *Critonia portoricensis* 48  
 †*praeiectum* B.L. Robins. 1923 = *Disynaphia praeficta* 156  
 †*prasiifolium* Griseb. 1874 = *Fleischmannia prasiifolia* 18  
 †*pratense* Klatt 1893 = *Fleischmannia pratensis* 18  
 †*pringlei* B.L. Robins. & Greenm. 1895 = *Ageratina pringlei* 19  
 †*prinodes* B.L. Robins. 1926 = *Koanophyllum prinodes* 150  
 †*prionobium* B.L. Robins. 1901 = *Ageratina prionobia* 19  
 †*prionophyllum* B.L. Robins. 1901 = *Neobartlettia prionophylla* 36 = *Bartlettina prionophylla* 61  
 †*probum* N.E. Brown 1890 = *Ageratina proba* 164  
 †*procumer* B.L. Robins. 1924 = *Badilloa procera* 142  
 †*prunellifolium* H.B.K. 1818 = *Ageratina prunellifolia* 19  
 †*prunifolium* H.B.K. 1818 = *Ageratina prunifolia* 19  
 †*pseudoarboРЕum* Heiron. 1905 = *Aristeguietia pseudoarboРЕa* 139  
 †*pseudochilcum* Benth. 1845 = *Ageratina pseudochilca* 19  
 †*pseudogloemeratum* Heiron. ex Sodiro 1900 = *Asplundianthus pseudogloemeratus* 141  
 †*pseudoperfoliatum* Sch.-Bip. ex Klatt 1885 = *Koanophyllum pseudoperfoliatum* 64, 150  
 †*pseudoprasifolium* Hassler 1919 = *Chacoa pseudoprasifolia* 154  
 †*pseudoriganoides* Heiron. 1900 = *Cronquistianthus pseudoriganoides* 75  
 †*psiadiifolium* DC. 1836 = *Chromolaena laevigata* 229  
 †*psilodorum* B.L. Robins. 1919 = *Ageratina psilodora* 19  
 †*psoraleum* B.L. Robins. 1904 = *Neomirandea psoralea* 21  
 †*puberulum* DC. 1836 = *Koanophyllum puberulum* 150  
 †*pulchellum* H.B.K. 1818 = *Chromolaena pulchella* 29  
 †*punctatum* Lam. 1788 = *Chromolaena punctata* 29  
 †*punctulatum* DC. 1836 = *Chromolaena punctulata* 29  
 †*punduahum* Wall. = *Eupatorium cannabinum* 226  
 †*pungens* Gardn. 1846 = *Chromolaena pungens* 200

*Eupatorium* continued

†*purpurascens* Sch.-Bip. ex Baker 1876 = *Campuloclinium purpurascens* 90  
 †*pureum* L. 1753 = *Eupatoriadelphus purpureus* 25  
 †*purpusii* Brandeg. 1899 = *Ageratina purpusii* 19  
 †*pycnocephaloides* B.L. Robins. 1916 = *Fleischmannia pycnocephaloides* 18  
 †*pycnocephalum* Less. 1831 = *Fleischmannia pycnocephala* 18  
 †*pyramdale* Klatt 1882 = *Ayapana pyramidalis* 30  
 †*pyrifolium* DC. 1836 = *Steyermarkina pyrifolium* 47  
 †*quadrangulare* DC. 1836 = *Critonia quadrangularis* 48  
 †*queretorum* L.O. Williams 1975 = *Chromolaena queretorum* 164  
*quinqueflorum* Urban & Ekman Dominican Republic 226  
 †*quisqueyanum* Alain 1976 = *Koanophyllum quisqueyanum* 207  
 †*radulum* Chod. = *Disynaphia radula* 57  
 †*rafaelense* Coult. 1891 = *Ageratina rafaelensis* 19  
 †*ramboi* Cabrera 1963 = *Barrosoa ramboi* 34  
 †*ramonense* B.L. Robins. 1909 = *Ageratina ramonensis* 19  
 †*ramosissimum* Gardn. 1847 = *Austroeupatorium inulifolium* 229  
*recurans* Small US 226  
*reevii* Wall. Asia 226  
 †*reitzii* Cabrera 1963 = *Symphyopappus reitzii* 54  
 †*remotifolium* DC. 1836 = *Fleischmannia remotifolia* 18  
 †*remyanum* Phil. 1860 = *Ageratina glechonophylla* 19 = *Ageratina remiana* 207  
 †*resiniflum* Urban 1899 = *Ageratina resiniflua* 19  
*resinosum* Torrey US 97,226  
*reticularum* Desv. 151  
 †*reticulatum* A. Rich. = *Grisebachianthus libanotica* 151  
 †*reticuliferum* Standl. & Williams 1951 = *Ageratina reticulifera* 19,85  
 †*retrofractum* Thunb. 1800 = *Iphiona retrofracta* 207  
 †*reversum* Urban 1922 = *Koanophyllum reversum* 150  
 †*revolutum* Gardn. 1847 = *Chromolaena revoluta* 29  
 †*rhezioides* B.L. Robins. 1916 = *Koanophyllum rhezioides* 150  
 †*rhinanthaceum* DC. 1836 = *Chromolaena rhinanthacea* 29  
 †*rhinanthaceum* var. *latisquamulosum* Heiron. 1897 = *Chromolaena latisquamulosa* 29  
 †*rhinanthaceum* var. *oinopolepis* Malme 1933 = *Chromolaena oinopolepis* 29  
 †*rhodochlamydeum* Gray 1880 = *Peteravenia rhodochlamydea* 38  
 †*rhodopappum* B.L. Robins. 1926 = *Ageratina rhodopappa* 19  
 †*rhodopodium* B.L. Robins. 1925 = *Ageratina rhodopoda* 19  
 †*rhodotephrum* B.L. Robins. 1926 = *Fleischmannia rhodotephra* 18  
 †*rhomboideum* H.B.K. 1818 = *Ageratina rhomboidea* 19  
 †*rhypodes* B.L. Robins. 1919 = *Ageratina rhypodes* 19  
 †*rhytidodes* B.L. Robins. 1926 = *Ageratina rhytidodes* 19  
 †*rigidum* Sw. 1788 = *Chromolaena rigida* 207  
 †*riedelii* Baker 1876 = *Campuloclinium riedelii* 90  
 †*rimbachii* B.L. Robins. 1931 = *Grosvenoria rimbachii* 140  
 †*riparium* Regel 1866 = *Ageratina riparia* 19  
 †*rivale* Greenm. 1904 = *Ageratina rivalis* 19  
 †*rivulorum* B.L. Robins. 1926 = *Fleischmannia rivulora* 18 = *Fleischmannia imitans* 121  
 †*rojasianum* Standl. & Steyer. = *Fleischmannia pycnocephala* 232  
 †*rojasii* Hassl. 1912 = *Chromolaena rojasii* 29  
 †*roraimense* N.E. Brown 1901 = *Ageratina roraimensis* 19  
 †*roseorum* B.L. Robins. 1919 = *Chromolaena roseora* 29  
 †*roseum* Gardn. 1845 = *Austrocritonia rosea* 143

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†*roseum* Klatt 1892 = *Fleischmannia pratensis* 229  
 †*rosmarinaceum* Cabrera & Vittet 1963 = *Austroeupatorium rosmarinaceum* 207  
 †*rosmarinifolium* Ses. & Moc. 1889 = *Austroeupatorium rosmarinifolium* 26  
 †*rothrockii* Gray 1897 = *Ageratina rothrockii* 19  
*rotundifolium* L. US 25,226,230  
 †*roupalifolium* B.L. Robins. 1919 = *Guayania roupalifolia* 39  
 †*ruae* Standl. 1950 = *Neobartlettia ruae* 36 = *Bartlettina ruae* 61  
 †*rubricaulis* H.B.K. 1818 = *Ageratina rubricaulis* 19  
 †*rubroviolaceum* Urban & Ekman 1931 = *Koanophyllum rubroviolaceum* 150  
 †*ruckeri* B.L. Robins. 1926 = *Spaniopappus ruckeri* 20  
 †*rufescens* Lund ex DC. 1836 = *Kaunia rufescens* 202  
 †*rugosum* H.B.K. 1818 = *Cronquistianthus rugosus* 75 = *Eupatorium bulliferum* Blake  
     207 = *Cronquistianthus bulliferum* 207  
*rugosum* Houtt. US 233  
*rupestre* Gardn. Brasil 106  
 †*rupicola* B.L. Robins. & Greenm. 1896 = *Ageratina rupicola* 19  
 †*sachalinense* Fr. = *Eupatorium chinense* 226  
 †*sagittatum* Gray 1850 = *Chromolaena sagittata* 29  
 †*sagittiferum* B.L. Robins. 1922 = *Chromolaena sagittifera* 29  
 †*salicinum* Lam. 1786 = *Badilloa salicina* 142  
 †*saltense* Heiron. 1897 = *Kaunia saltensis* 202  
 †*saltillense* B.L. Robins. 1907 = *Ageratina saltillensis* 19  
*saltuense* Fern. US 226  
 †*salvium* Colla 1835 = *Aristeguietia salvia* 139  
 †*salviifolium* H.B.K. 1818 = *Aristeguietia dielsii* 139  
*salviifolium* Sims 139  
 †*salzmannianum* DC. 1836 = *Ayapana amygdalina* 229  
*sambucifolium* Elm. Philippines 226  
 †*sanctopaulense* B.L. Robins. 1923 = *Chromolaena sanctopaulensis* 29  
 †*santanense* Aristeguieta 1968 = *Chromolaena santanensis* 29  
 †*sartorii* Sch.-Bip. ex Klatt 1884 nom. nud. = *Critonia morifolia* 229  
 †*saucepchicoense* Heiron. 1897 = *Acanthostyles saucechicoensis* 52  
 †*sazorum* Standl. & Steyermark 1944 = *Fleischmannia sazora* 207  
 †*scabrellum* B.L. Robins. 1900 = *Ophryosporus scabrellus* = *Decachaeta scabrella* 16  
 †*scabrifolium* B.L. Robins. 1926 = *Asplundianthus scabrifolius* 141  
 †*scabriuscum* Urban & Ekman 1931 = *Koanophyllum scabriuscum* 150  
 †*scabrum* L. 1782 = *Chromolaena scabra* 29  
 †*scandens* L. = *Willoughbya scandens* = *Mikania scandens* 229  
 †*schaffneri* Sch.-Bip. ex B.L. Robins. 1892 = *Ageratina schaffneri* 19  
 †*schickendantzii* Heiron. 1897 = *Fleischmannia schickendantzii* 18  
*schlechtendalii* 97  
 †*schultzii* Schnittspahn 1857 = *Peteravenia schultzii* 38  
 †*sciaphilum* B.L. Robins. 1918 = *Neomirandeja sciaphila* 21  
 †*sciatraphes* B.L. Robins. 1918 = *Koanophyllum sciatraphes* 150  
 †*scoparioides* L.O. Williams 1975 = *Koanophyllum solidaginoides* 229,232  
 †*scopulorum* Wedd. 1857 = *Ageratina scopulora* 19  
 †*scorodoniooides* Gray 1880 = *Ageratina scorodoniooides* 19  
 †*selerianum* B.L. Robins. 1900 = *Fleischmannia seleriana* 18  
 †*seleanum* Urban 1921 = *Koanophyllum seleanum* 150  
 †*semicrenatum* Urban 1903 = *Koanophyllum semicrenatum* 150

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*semiserratum* DC. US 226  
 †*semistriatum* Baker 1876 = *Bejaranoa semistriata* 183  
 †*senecionoideum* Baker 1876 = *Disynaphia senecionoidea* 57  
 †*sericeum* H.B.K. 1818 = *Hebeclinium sericeum* 37  
*serotinum* Michx. US 25,226,230  
 †*serratuloides* H.B.K. 1818 = *Chromolaena serratuloides* 207  
 †*serratum* Spreng. 1826 = *Dimorpholepis serrata* 55 = *Grazielia serrata* 67  
 †*serrulatum* DC. 1836 = *Neocabreria serrulata* 65  
*sessilifolium* L. US 226  
 †*shaferi* B.L. Robins. 1936 = *Spaniopappus shaferi* 20  
 †*shastense* Taylor & Stebbins 1978 = *Ageratina shastensis* 190  
*shimadai* Kitamura Formosa 226  
 †*sideritides* Benth. ex Oerst. 1852 = *Fleischmannia sideritides* 18  
 †*silphiifolium* Mart. 1838 = *Austroeupatorium inulifolium* 229 = *Austroeupatorium silphiifolium* 215  
 †*silvaticum* B.L. Robins. 1926 = *Koanophyllum silvaticum* 150  
 †*silvicola* B.L. Robins. 1904 = *Bartlettina silvicola* 167  
 †*simile* Proctor 1967 = *Koanophyllum simile* 150  
 †*simillimum* B.L. Robins. 1926 = *Koanophyllum simillimum* 64,150  
 †*simulans* B.L. Robins. 1919 = *Ageratina simulans* 19  
 †*sinaloense* B.L. Robins. 1926 = *Fleischmannia sinaloensis* 18  
 †*sinclairii* Benth. ex Oerst. 1852 = *Fleischmannia sinclairii* 18  
 †*sinuatum* Lam. 1788 = *Chromolaena sinuata* 156  
 †*skutchii* B.L. Robins. 1934 = *Ageratina skutchii* 19  
 †*smilacinum* H.B.K. 1818 = *Asplundianthus smilacinus* 141  
 †*sodali* L.O. Williams = *Koanophyllum standleyi* 232  
 †*sodiroi* Heiron. 1900 = *Ageratina sodiroi* 19  
 †*solidaginifolium* Gray 1852 = *Koanophyllum solidaginifolium* 64,150  
 †*solidaginoides* H.B.K. 1818 = *Ophryosporus solidaginoides* = *Koanophyllum solidaginoides* 64,150  
 †*sonorae* Gray 1853 = *Fleischmannia sonorae* 121  
 †*sophiifolium* L. 1762 = *Eupatorina sophiifolia* 42  
 †*soratae* Sch.-Bip. ex B.L. Robins. 1920 = *Fleischmannia soratae* 18  
*sordescens* 97  
 †*sordidum* Less. 1831 = *Neobarlettia sordida* 37 = *Bartlettina sordida* 36,61  
 †*sotarense* Heiron. 1895 = *Ageratina sotarense* 19  
 †*spathulatum* H. & A. 1835 = *Disynaphia spathulata* 57  
 †*sphaerocephalum* Sch.-Bip. ex Baker 1876 = *Sphaereupatorium sphaerocephalum* 207  
 †*sphagnophilum* B.L. Robins. 1924 = *Badilloa sphagnophila* 142  
 †*sphenopodium* B.L. Robins. 1907 = *Flyriella sphenopoda* 80  
 †*splendens* Klotsch ex Polak = *Fleischmannia* 85  
 †*splendens* Sch.-Bip. nom. nud. = *Fleischmannia splendens* 101  
 †*sprucei* B.L. Robins. 1919 = *Ayapana elata* 229  
 †*squalidum* DC. 1836 = *Chromolaena squalida* 29  
 †*squarrosoramosum* Heiron. 1897 = *Chromolaena squarrosoramosa* 29  
 †*squarrulosum* H. & A. 1835 = *Chromolaena squarrulosa* 29  
 †*stachyophyllum* Spreng. 1826 = *Chromolaena stachyophylla* 29  
 †*standleyi* B.L. Robins. 1926 = *Neomirandea standleyi* 21  
*stanfordii* 80  
 †*steetzii* B.L. Robins. 1919 = *Badilloa steetzii* 142  
 †*stenolepis* Steetz 1854 = *Ayapana stenolepis* 156

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†*sternbergianum* DC. 1836 = *Ageratina sternbergiana* 19  
 †*stevioides* Steyerl. 1953 = *Ageratina stevioides* 19  
 †*steyermarkianum* Badillo 1946 = *Chromolaena steyermarkiana* 162  
 †*stictophyllum* B.L. Robins. 1919 = *Ageratina stictophylla* 19  
 †*stigmaticum* Urban & Ekman 1931 = *Critonia stigmatica* 48  
 †*stillingiifolium* DC. 1836 = *Chromolaena stillingiifolia* 156  
 †*stipuliferum* Rusby 1895 = *Koanophyllum stipuliferum* 64, 150  
 †*stoechadifolium* L. 1782 = *Lourteigia stoechadifolia* 35  
 †*stoechadosum* Hance = *Eupatorium fortunei* 226  
 †*strictum* Gray 1886 = *Ageratina stricta* 19  
 †*stuebelii* Heiron. 1895 = *Asplundianthus stuebelii* 141  
 †*suaveolens* H.B.K. 1818 = *Austroeupatorium inulifolium* 229  
 †*subcapitatum* Malme 1933 = *Stomatianthes subcapitatus* 227  
 †*subcordatum* Benth. ex Oerst. 1852 = *Ageratina subcordata* 19  
 †*subferrugineum* B.L. Robins. 1931 = *Ageratina subferruginea* 19  
 †*subinclusum* Klatt 1884 = *Ageratina subinclusa* 168  
 †*subintegerrimum* Malme 1932 = *Malmeanthus subintegerrimus* 199  
 †*subobtusum* DC. 1936 = *Ayapana amygdalina* 229  
 †*subpenninervium* Sch.-Bip. ex Klatt 1884 = *Ageratina subpenninervia* 164 = *Ageratina subinclusa* 168  
 †*subpurpureum* Urban & Ekman 1931 = *Koanophyllum subpurpureum* 150  
 †*subscandens* Heiron. 1897 = *Chromolaena subscandens* 29  
 †*subserratum* Gardn. = *Chromolaena mucronata* 164  
 †*suratense* B.L. Robins. 1928 = *Chromolaena suratensis* 29  
 †*syriacum* Jacq. = *Eupatorium cannabinum* 226  
 †*syringifolium* Turcz. 1851 = *Koanophyllum solidaginoides* 229  
 †*tacotanum* Klatt 1886 = *Chromolaena tacotana* 29  
 †*tahonense* Heiron. 1908 = *Aristeguietia tahonensis* 139  
 †*tambillense* Heiron. 1908 = *Ageratina tambillensis* 19  
 †*tamboense* Heiron. 1897 = *Fleischmannia tamboensis* 18  
 †*tanacetifolium* Gill ex H. & A. 1835 = *Gyptis pinnatifida* 33  
 †*tapeinanthum* Urban 1921 = *Koanophyllum tapeinanthum* 150  
 †*tarapotense* B.L. Robins. 1919 = *Ayapanopsis tarapotensis* 103  
 †*tarmense* B.L. Robins. 1934 = *Ageratina tarmensis* 19  
 †*tatei* B.L. Robins. 1931 = *Koanophyllum tatei* 150  
 †*tatamense* B.L. Robins. 1926 = *Aristeguietia tatamensis* 139  
 †*taunayanum* Glaziou ex B.L. Robins. 1924 = *Austrocritonitis taunayana* 164  
 †*tectum* Gardn. 1845 = *Chromolaena tecta* 29  
 †*tenorae* Aristeguieta 1964 = *Bartlettina tenorae* 162  
 †*tenue* R.E. Fries 1906 = *Ageratina tenuis* 19  
 †*tenuicapitulatum* Heiron. 1905 = *Chromolaena tenuicapitulata* 29  
 †*tepuianum* Steyerl. 1953 = *Guayania roupalifolia* 37  
 †*tetragonum* Schrad. 1831 = *Ageratina tetragona* 19  
 †*tetranthum* Griseb. 1861 = *Koanophyllum tetranthum* 150  
 †*theisolum* Benth. 1845 = *Ageratina theisolia* 19  
*thermarum* B.L. Robins. 147  
 †*thieleanum* Klatt 1892 = *Decachaeta thieleana* 16  
 †*thurnii* B.L. Robins. 1928 = *Chromolaena thurnii* 29  
 †*thymifolium* Britt. 1892 = *Neocuatrecasia thymifolia* 32  
 †*thyrsigerum* Heiron. 1901 = *Critonia thyrsigera* 48  
 †*thyrsoides* Moc. ex DC. 1836 = *Critonia thyrsoides* 48

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†*thysanolepis* B.L. Robins. 1925 = *Koanophyllum thysanolepis* 150  
 †*tinifolium* H.B.K. 1818 = *Ageratina tinifolia* 19  
 †*toldense* Heiron. 1908 = *Chromolaena toldensis* 29  
 †*tomentellum* Schrad. 1833 = *Ageratina tomentella* 19  
 †*tonduzii* Klatt 1895 = *Ageratina tonduzii* 19, 85  
*toppingianum* Elm. Asia, Philippines 226  
 †*toroi* B.L. Robins. 1934 = *Asplundianthus toroi* 141  
 †*torondoyense* Badillo 1944 = *Hebeclinium torondoyense* 37  
 †*tovarensis* B.L. Robins. 1918 = *Ayapana tovarensis* 30  
 †*trachyphyllum* Heiron. 1905 = *Asplundianthus trachyphyllus* 141  
 †*trapezoideum* Kunth 1847 = *Ageratina trapezoides* 85  
 †*tremulum* H. & A. 1836 = *Raulinoreitzia tremula* 52  
 †*trianae* B.L. Robins. 1918 = *Barrosoa trianae* 95  
 †*tricephalotes* Sch.-Bip. ex Baker 1876 = *Koanophyllum tricephalotes* 150  
 †*trichobase* Baker 1876 = *Gyptidium trichobasis* 69  
 †*trichosanthum* A. Rich. 1853 = *Brickellia diffusa* 229  
 †*trigonocarpum* Griseb. 1861 = *Chromolaena trigonocarpa* 29  
 †*trigonum* Gardn. 1847 = *Stomatianthes trigonus* 227  
 †*trinervium* Sch.-Bip. 1856 = *Fleischmannia trinervia* 18  
 †*trinionum* McVaugh 1972 = *Ageratina trinionia* 85  
 †*trinitense* O. Ktze. 1891 = *Ayapana trinitensis* 30  
 †*triosteifolium* Rusby 1907 = *Ayapanopsis triosteifolia* 103  
 †*triplinerue* Vahl 1794 = *Ayapana triplinerus* 30  
 †*triptychum* B.L. Robins. 1926 = *Standleyanthus triptychus* 46  
 †*triradiatum* Urban 1903 = *Koanophyllum triradiatum* 150  
 †*triste* DC. 1836 = *Ageratina tristis* 19  
 †*trizioides* Baker = *Ayapanopsis trizioides* 103  
 †*trujillense* B.L. Robins. 1934 = *Chromolaena trujillensis* 29  
 †*tubaracense* Heiron. 1897 = *Campuloclinium tubaracense* 90  
 †*tucumanense* Lillo & B.L. Robins. 1930 = *Ayapanopsis tucumanensis* 103  
 †*tuerckheimii* Klatt 1884 = *Neobartlettia tuerckheimii* 36 = *Bartlettina tuerckheimii* 61  
 †*tunii* L.O. Williams = *Critonia bartlettii* 232  
 †*turbacense* Heiron. 1895 = *Ayapana turbacensis* 30  
 †*tweedianum* H. & A. 1885 = *Austroeupatorium tweedianum* 26 = *Hatschbachiella tweediana* 71  
 †*tyleri* B.L. Robins. 1931 = *Chromolaena tyleri* 29  
 †*uber* B.L. Robins. 1919 = *Kaunia uber* 202  
 †*ulei* Heiron. 1897 = *Chromolaena ulei* 29  
 †*umbelliforme* Dusen ex Malme 1933 = *Chromolaena umbelliformis* 29  
 †*urbanii* Ekman ex Urban 1931 = *Ageratina urbanii* 19  
 †*uromenes* B.L. Robins. 1918 = *Chromolaena uromenes* 29  
*urticifolium* 233  
 †*urticoides* Sch.-Bip. ex Heiron. 1901 = *Ageratina urticoides* 29  
 †*urubamense* B.L. Robins. 1919 = *Cronquistianthus urubamensis* 75  
 †*urubamense* var. *determinatum* B.L. Robins. 1923 = *Cronquistianthus determinatus* 215  
 †*vacciniifolium* Benth. 1845 = *Ageratina vacciniifolia* 19  
 †*valerianum* Standl. 1938 = *Fleischmannia valeriana* 18 = *Fleischmannia hymenophylla* 229  
 †*vallincola* DC. 1836 = *Ageratina vallincola* 19  
 †*vargasianum* DC. 1836 = *Critoniella vargasiana* 138  
 †*variolatum* B.L. Robins. 1924 = *Disynaphia variolata* 57

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†*vattuonei* Hicken = *Eupatorium patens* = *Astrobrickellia patens* 82  
 †*vauthierianum* DC. 1836 = *Heterocondylus vauthierianus* 105 = *Heterocondylus alatus* 207  
 †*velutinum* Gardn. 1846 = *Astrocrilonia velutina* 143  
 †*venezuelense* Badillo 1944 = *Badilloa venezuelensis* 142  
 †*ventillanum* Cuatrecasas 1965 = *Ageratina ventillana* 19  
 †*venulosum* Gray 1886 = *Ageratina venulosa* 19  
 †*verbenaceum* DC. 1836 = *Chromolaena verbenacea* 29  
 †*vernale* Vatke & Kurtz 1871 = *Ageratina vernalis* 19  
 †*vernicosum* Sch.-Bip. ex Greenm. = *Ageratina vernicosa* 19  
 †*vernoniopsis* Sch.-Bip. ex Baker = *Gyptis vernoniopsis* 33  
 †*vestitum* Poepp. 1845 = *Hebeclinium vestitum* 147  
*vestitum* Spreng. 1826 147  
 †*viburnoides* DC. 1836 = *Ageratina viburnoides* 19  
 †*villosum* Sweet = *Koanophyllum villosum* 64,150  
 †*villosum* var. *dolicholepis* Urban 1921 = *Koanophyllum dolicholepis* 150  
 †*vindex* DC. 1836 = *Chromolaena vindex* 200  
 †*viridiflorum* Baker 1876 = *Barrosoa viridiflora* 95  
 †*viscidipes* B.L. Robins. 1901 = *Fleischmannia viscidipes* 18  
 †*viscidum* H. & A. 1835 = *Lorentzianthus viscidus* 153  
 †*viscosissimum* Rolfe 1906 = *Ageratina viscosissima* 207  
 †*viscosum* H.B.K. 1818 = *Ageratina viscosa* 19,164  
 †*vitalbae* DC. 1836 = *Heterocondylus vitalbae* 105  
 †*vitifolium* Sch.-Bip. ex Klatt 1884 = *Eupatoriastrum triangulare* 41  
 †*volkensii* Heiron. 1908 = *Cronquistianthus volkensii* 75  
 †*vulcanicum* Benth. ex Oerst. 1852 = *Ageratina vulcanica* 19,85  
 †*wallichii* DC. = *Eupatorium chinense* 226  
 †*warmingii* Baker 1876 = *Stomatianthes warmingii* 227  
 †*weberbaueri* Heiron. 1906 = *Crossothamnus weberbaueri* 84  
 †*weddellii* B.L. Robins. 1926 = *Neocuatrecasia weddellii* 86  
 †*wetmorei* B.L. Robins. 1934 = *Koanophyllum wetmorei* 120,150  
 †*williamsii* Standl. nom. nud. = *Bartlettina williamsii* 167  
 †*wrightii* Gray 1850 = *Ageratina wrightii* 19  
 †*zanthochlorum* B.L. Robins. 1926 = *Ageratina zanthochlora* 19  
 †*zestolepidoides* Wurdack 1953 = *Chromolaena zestolepidoides* 162  
 †*zestolepis* B.L. Robins. 1918 = *Chromolaena zestolepis* 29  
 †*zyllorrhizum* Sch.-Bip. ex Baker 1876 = *Chromolaena zyllorrhiza* 29  
*yakushimense* Masam. & Kitam. Japan 226  
 †*yavianum* (Lasser & Maguire) Lasser & Maguire 1954 = *Guayania yaviana* 39  
 †*yungasense* B.L. Robins. 1934 = *Fleischmannia yungasensis* 18  
 †*ziniifolium* B.L. Robins. 1918 = *Ageratina ziniifolia* 19  
 †*zunilanum* Standl. & Steyermark 1944 = *Ageratina zunilana* 19  
 †*Eutrochium* Raf. = *Eupatoriadelphus* 233  
*Ferreyrella* Blake 1958 2 spp. 11,131,194,228,233  
*cuatrecasasii* K. & R. 1973 Peru 112  
*peruviana* Blake 1958 Peru 7,11,112,233  
*Flaveria* Juss. 111  
*peruviana* Gmel. 1791 = *Ophryosporus peruvianus* 111  
*Fleischmannia* Sch.-Bip. 1850 79 spp. 11,13,35,45,114,118,121,122,146,163,223,235  
*aequinoctialis* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 18  
*allenii* K. & R. 1974 Panama 121,229

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*anisopoda* (B.L. Robins.) K. & R. (*Eupatorium*) Guatemala 18  
*antiquora* (Standl. & Steyermark.) K. & R. (*Eupatorium*) 169, 207  
*arguta* (H.B.K.) B.L. Robins. = *Fleischmannia rhodostyla* 2, 11, 18, 100, 229, 232, 233  
*bergantinensis* (Badillo) K. & R. (*Eupatorium*) Venezuela 18  
*blakei* (B.L. Robins.) K. & R. (*Eupatorium*) Honduras 18  
*bohmanniana* K. & R. 1978 Mexico, Guatemala 169  
*bridgesii* (B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 18  
*capillipes* (Benth. ex Oerst.) K. & R. (*Eupatorium*) El Salvador, Nicaragua, Mexico 2,  
121, 229, 230, 232, 233  
*carletonii* (B.L. Robins.) K. & R. (*Eupatorium*) Honduras 18  
*chiriquensis* K. & R. 1974 Panama 121, 229  
*ciliolifera* K. & R. 1974 (based on *Eupatorium cilioferum*) Honduras 121  
*cookii* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 18  
*croatii* K. & R. 1974 Panama 121, 229  
*crocodilia* (Standl. & Steyermark.) K. & R. (*Eupatorium*) Peru 18  
*cuatrecasasii* K. & R. 1972 Colombia 74  
*deborabellae* K. & R. 1978 Guatemala, Mexico 169  
*dissolvens* (Baker) K. & R. (*Eupatorium*) Brasil 18  
*ejidensis* (Badillo) K. & R. (*Eupatorium*) Venezuela 162  
*ferreyrii* K. & R. 1974 Peru 118  
*fragilis* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 18  
*gentryi* K. & R. 1975 Costa Rica 145, 233  
*gonzalezii* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 18  
*granatensis* K. & R. 1974 Colombia 121, 229  
*guatemalensis* K. & R. 1975 Guatemala 145, 232, 233  
*haughtii* K. & R. 1974 Colombia 121, 229  
*holwayana* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 18, 121  
*huigrensis* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 18  
*hymenopylla* (Klatt) K. & R. (*Eupatorium*) Costa Rica 18, 121, 229  
*ignota* (Badillo) K. & R. (*Eupatorium*) Venezuela 162  
*imitans* (B.L. Robins.) K. & R. (*Eupatorium*) El Salvador, Guatemala, Mexico 18, 121,  
230, 232, 233  
*incarnata* (Walt.) K. & R. (*Eupatorium*) US, Mexico 18  
†*jejuna* (Standl. & Steyermark.) K. & R. (*Eupatorium*) 18 = *Fleischmannia capillipes* 121  
*klattiana* (Heiron.) K. & R. (*Eupatorium*) Colombia 18, 121  
†*langlassei* B.L. Robins. 1905 = *Hofmeisteria urenfolia* 4  
*laza* (Gardn.) K. & R. (*Eupatorium*) Brasil 18  
*lazicephala* (Cabrera) K. & R. (*Eupatorium*) Brasil 18  
*lellingeri* K. & R. 1974 Colombia 118  
*lithophila* (B.L. Robins.) K. & R. (*Eupatorium*) 18  
*lloensis* (Heiron.) K. & R. (*Eupatorium*) Ecuador 18  
*magdalensis* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 18, 121  
*marginata* (Poepp. & Endl.) K. & R. (*Eupatorium*) Peru 18  
*matudae* K. & R. 1974 Mexico 121  
*mayorii* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 18  
*mercedensis* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 18  
†*microcephala* Brandeg. ined. = *Fleischmannia capillipes* 121  
*microstemon* (Cass.) K. & R. (*Eupatorium*) Honduras, Costa Rica 18, 19, 37, 85, 114, 121,  
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*multinervis* (Benth.) K. & R. (*Eupatorium*) Central America, Mexico 18,121,145,232  
*niz* K. & R. 1974 Honduras 121,145  
*obscurifolia* (Heiron.) K. & R. (*Eupatorium*) Ecuador 18  
*panamensis* K. & R. 1974 Panama 121,229  
*pastazae* (B.L. Robins.) K. & R. (*Eupatorium*) 207,230  
*pennellii* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 18,121,229,230  
*plectranthifolia* (Benth. ex Oerst.) K. & R. (*Eupatorium*) Costa Rica 18,121,229,230  
*polopolensis* (B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 18  
*porphyranthera* (Gray) K. & R. (*Eupatorium*) Mexico 18  
*prasiifolia* (Griseb.) K. & R. (*Eupatorium*) Argentina, Paraguay, Brasil 18  
*pratensis* (Klatt) K. & R. (*Eupatorium*) Costa Rica 18,121,145,169,229,230  
*purpusii* K. & R. 1974 Mexico 121  
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*pycnocephalooides* (B.L. Robins.) K. & R. (*Eupatorium*) Guatemala, Mexico 18,115,121, 230  
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*remotifolia* (DC.) K. & R. (*Eupatorium*) Brasil 18  
*†repens* B.L. Robins. = *Ageratina repens* 18  
*†rhodostyla* Sch.-Bip. 1850 = *Fleischmannia arguta* 2,11,18,100,229,232,233  
*rhodotephra* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 18  
*†rivilora* (B.L. Robins.) K. & R. (*Eupatorium*) = *Fleischmannia imitans* 121  
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*†schaffneri* Gray 1881 = *Hofmeisteria schaffneri* 2,4,18  
*schickendantzii* (Heiron.) K. & R. (*Eupatorium*) Argentina 18  
*seleriana* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 18,230  
*sideritides* (Benth. ex Oerst.) K. & R. (*Eupatorium*) Costa Rica 18,229  
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*sonorae* (Gray) K. & R. (*Eupatorium*) Mexico 121  
*sortae* (Sch.-Bip. ex B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 18  
*splendens* Sch.-Bip. ex K. & R. 1972 Guatemala 101  
*†standleyi* Blake 1924 = *Hofmeisteria standleyi* 2,4,18  
*steyermarkii* K. & R. 1977 Venezuela 162  
*tamboensis* (Heiron.) K. & R. (*Eupatorium*) Bolivia 18  
*trinervia* (Sch.-Bip.) K. & R. (*Eupatorium*) Mexico 18,100,121  
*tysonii* K. & R. 1974 Panama 121  
*†urenifolia* (Benth. & Hook.) Hemsl. 1881 = *Hofmeisteria urenifolia* 4  
*†urenifolia* (H. & A.) Benth. & Hook. (*Hofmeisteria*, *Phania*) = *Hofmeisteria urenifolia* 4  
*†urenifolia* var. *meziae* B.L. Robins. 1931 = *Hofmeisteria standleyi* 4,18  
*†valeriana* (Standl.) K. & R. (*Eupatorium*) Costa Rica = *Fleischmannia hymenophylla* 229  
*viscidipes* (B.L. Robins.) K. & R. (*Eupatorium*) Central America 18,121,145,232  
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*Flyriella* K. & R. 1972 6 spp. 80,102,144,165,233  
*chrysostyla* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 80  
*harrimanii* K. & R. 1982 Mexico 212  
*leonensis* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 80  
*parryi* (Gray) K. & R. (*Eupatorium*) US, Mexico 80  
*sphenopoda* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 80  
*stanfordii* K. & R. 1972 Mexico 80,212

*Garberia* Gray 1879 1 sp. 11,233  
*fruticosa* (Nutt.) Gray (*Liatris, Leptoclinium*) US 11

*Gardnerina* K. & R. 1981 1 sp. 206  
*angustata* (Gardn.) K. & R. (*Piqueria, Alomia*) 206

*Gongrostylus* K. & R. 1972 1 sp. 104,233  
*costaricensis* (Kuntze) K. & R. (*Eupatorium*) Ecuador, Costa Rica 104,229

*Goyazianthus* 1977 1 sp. 165,235  
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*Grazielia* K. & R. 1972 10 spp. 51,54,55,56,67,233 (*Dimorpholepis*)  
*tanethifolia* (DC.) K. & R. (*Eupatorium, Dimorpholepis*) 55,67 = *Grazielia multifida* 209  
*bishopii* K. & R. 1981 Brasil 209  
*coriacea* (Scheele) K. & R. (*Eupatorium, Dimorpholepis*) 55,67 = *Sympphyopappus reticulatus* 209  
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*gaudichaudiana* (DC.) K. & R. (*Eupatorium, Dimorpholepis*) Brasil 55,67,209,233  
*intermedia* (DC.) K. & R. (*Eupatorium, Dimorpholepis*) Brasil 55,67  
*mollicoma* (B.L. Robins.) K. & R. (*Eupatorium*) 207  
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*multifida* (DC.) K. & R. (*Eupatorium, Dimorpholepis*) Brasil 55,67,209  
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*schultzii* K. & R. 1981 Brasil 209  
*serrata* (Spreng.) K. & R. (*Eupatorium, Dimorpholepis*) Brasil, Uruguay 55,67

*Grisebachianthus* K. & R. 1975 8 spp. 150,151,233  
*carsticola* (Borhidi & Muniz) K. & R. (*Eupatorium*) Cuba 151  
*holquinensis* (B.L. Robins.) K. & R. (*Eupatorium, Chromolaena*) Cuba 151  
*hypoleucus* (Griseb.) K. & R. (*Eupatorium*) Cuba 151  
*lantanifolius* (Griseb.) K. & R. (*Eupatorium*) Cuba 151  
*libanoticus* (Sch.-Bip.) K. & R. (*Eupatorium*) Cuba 151  
*mayarensis* (Alain) K. & R. (*Eupatorium*) Cuba 151  
*nipensis* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 151  
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*Grosvenoria* K. & R. 1975 3 spp. 140,141,142,172,233  
*campii* K. & R. 1978 Ecuador 180  
*coelocaulis* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 140,180  
*hypargyra* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 140,180  
*rimbachii* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 140,180

*Guayania* K. & R. 1971 6 spp. 36,39,152,176,233  
*bulbosa* (Aristeguieta) K. & R. (*Eupatorium*) Venezuela 61,231  
*cerasifolia* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil, Colombia, Venezuela 39  
*crassicaulis* (Steyermark) K. & R. (*Eupatorium*) 207  
*davidsei* K. & R. 1977 Venezuela 231  
*penninervata* (Wurdack) K. & R. (*Eupatorium*) Venezuela 39  
*roupalifolia* (B.L. Robins.) K. & R. (*Eupatorium*) British Guiana, Venezuela 39  
*yaviana* (Lasser & Maguire) K. & R. (*Eupatorium*) Venezuela 39

*Guevaria* K. & R. 1974 4 spp. 131,133,233  
*alvaroi* K. & R. 1974 Ecuador 131,230  
*lozensis* (Blake & Steyerm.) K. & R. (*Piqueria*) Ecuador 131  
*sodiroi* (Heiron. ex Sodiro) K. & R. (*Piqueria*) Ecuador 131,230  
*vargasii* Chung 1967 (*Piqueria*) Peru 131  
*Gymnocondylus* K. & R. 1972 1 sp. 87,106,107,233  
*galeopsifolius* (Gardn.) K. & R. (*Eupatorium*) Brasil 106  
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 †*attenuata* DC. 1836. 11 = *Gymnocoronis spilanthoides* 127  
*latifolia* H. & A. Mexico, Guatemala 100,232  
*matudae* K. & R. 1974 Mexico 127  
*nutans* (Greenm.) K. & R. (*Adenostemma*) Mexico 127  
*sessilis* Blake Mexico 127  
*spilanthoides* (D. Don) DC. Paraguay, Uruguay, Argentina, Bolivia 11,127  
*Gyptidium* K. & R. 1972 2 spp. 69,129,233  
*militare* (B.L. Robins.) K. & R. (*Eupatorium*) Argentina 69  
*trichobasis* (Baker) K. & R. (*Eupatorium*) Brasil 40,69  
*Gyptis* (Cass.) Cass. 1820 8 spp. 11,13,34,35,129,144,154,183,213,229  
 †*alternifolia* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) 33 = *Gyptis crassipes* 164  
*artemisifolia* (Griseb.) K. & R. (*Eupatorium*) Argentina 33  
 †*baccharoides* Sch.-Bip. ex Baker = *Sympphyopappus viscosus* 33 = *Bahianthus viscosus* 70  
*commersonii* Cass. 1821 Argentina, Brasil, Uruguay 33  
*crassipes* (Heiron.) K. & R. (*Eupatorium*) Argentina, Brasil, Paraguay 33,164  
*inornata* K. & R. 1971 Brasil 33  
*lanigera* (H. & A.) K. & R. (*Eupatorium*) Argentina, Brasil, Paraguay 33  
 †*oblongifolia* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) = *Stomatolites oblongifolius* 33  
 †*peucedanifolia* Sch.-Bip. ex Baker 1876 = *Gyptis pinnatifida* 33  
*pinnatifida* Cass. 1820 Argentina, Brasil, Uruguay 11,33,233  
*vernonsopass* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) eastern South America 33  
 †*Haberlea* Pohl ex Baker 1876 nom. nud. = *Prazelis* 11,28,233  
*Hartwrightia* Gray ex Wats. 1888 1 sp. 11,127,233  
*floridana* Gray ex Wats. 1888 US 11  
*Hatschbachiella* K. & R. 1972 2 spp. 71,233  
*polyclada* (Dusen ex Malme) K. & R. (*Eupatorium*) Brasil 71  
*tweediana* (H. & A.) K. & R. (*Austroeupatorium*, *Eupatorium*) eastern South America 71  
*Hebeclinium* DC. 1836 18 spp. 11,31,65,114,138,150,167,172,176,201,216,217  
 †*atrорubens* Lem. = *Neobartlettia sordida* 37 = *Bartlettina sordida* 61  
*beneolens* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 147  
 †*brevipetiolatum* Sch.-Bip. ex Klatt 1884 = *Neobartlettia brevipetiolata* 36,37 =  
*Bartlettina brevipetiolata* 61  
*bullatissimum* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 37,230  
*costaricense* K. & R. 1972 Costa Rica 74,229  
*cuatrecasasii* (K. & R.) K. & R. (*Eupatorium*) Colombia 9,37  
*fehrenbergii* Sch.-Bip. ex Hemsl. = *Neobartlettia ehrenbergii* 37 = *Bartlettina ehrenbergii* 61  
*erioclinium* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 9,37  
*gentryi* K. & R. 1977 Colombia 231  
*guapulense* (Klatt) K. & R. (*Eupatorium*) Colombia, Ecuador 9,37  
*guevaraee* (K. & R.) K. & R. (*Eupatorium*) Colombia 9,37  
 †*hecatanthum* DC. 1836 = *Urolepis hecatantha* 37,40  
*hygrohylaeum* (B.L. Robins.) K. & R. (*Eupatorium*) Costa Rica 37,74  
*hylophorbum* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 61,118

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†ianthinum Hook. = *Neobarlettia sordida* 37 = *Bartlettina sordida* 61  
*jajoense* (Aristeguieta) K. & R. (*Eupatorium*) Venezuela 37  
*killipii* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 156  
*lellingeri* K. & R. 1974 Colombia 118  
 †leucolithogenum (B.L. Robins.) K. & R. (*Eupatorium*) 147 = *Critoniella leucolithogena* 156  
 †hebmanniae Sch.-Bip. ex Hemsl. = *Decachaeta perornata* 37  
 †macrocephalum Benth. = *Bartlettina macrocephala* 99  
*macrophyllum* (L.) DC. (*Eupatorium*) Mexico, West Indies, Central America, South America 9,11,16,37,74,114,229,230,231,233  
 †megalophyllum Lem. = *Neobarlettia* ? 37  
*obtusisquamsum* (Heiron. ex Sodiro) K. & R. (*Eupatorium*) 207  
 †panamense Carr. = *Neobarlettia sordida* 37 = *Bartlettina sordida* 61  
*phoenicticum* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 9,37,74,118  
*reedii* K. & R. 1972 Panama 74,118,229,231  
*sericeum* (H.B.K.) K. & R. (*Eupatorium*) Colombia 9,37  
 †sordidum Sch.-Bip. ex Koster = *Neobarlettia sordida* 36,37 = *Bartlettina sordida* 61  
 †tepicanum H. & A. = *Critonia hebebotrya* 37  
 †tetragonum Benth. = *Fleischmannia microstemon* 37  
*torondoyense* (Badillo) K. & R. (*Eupatorium*) Colombia, Venezuela 9,37  
 †urolepis DC. 1836 = *Urolepis hecatantha* 37,40  
*vestitum* (Poepp.) K. & R. (*Eupatorium*) Peru 147  
 †vitifolium Sch.-Bip. ex Klatt = *Eupatoriastrum triangulare* 37  
*Heleoegyne* Nutt. 1841 ca. 12 spp. 11,75,142,165,232,233  
*apaloidea* Nutt. 1841 10,11  
*calocephala* Mattf. Peru 84  
*ferreyrii* K. & R. 1974 Peru 119  
*hutchinsonii* K. & R. 1969 Peru 10  
*macrogyne* (Phil.) B.L. Robins. (*Brachyandra*) 10,11  
*tacquirense* Heiron. 119  
*tenuifolia* (Phil.) (Leto) Chile 11  
*virgata* (Rusby) 11  
 †*Heleoegyne* Benth. 1844 = *Hofmeisteria* 11  
 †*fasciculata* Benth. 1844 = *Hofmeisteria fasciculata* 4,11  
 †*urenifolia* Walp. 1848 = *Hofmeisteria urenifolia* 4  
*Heterocondylus* K. & R. 1972 13 spp. 102,103,105,106,233  
*alatus* (Vell.) K. & R. (*Chrysocoma*) Brasil 207  
*amphidictyus* (DC.) K. & R. (*Eupatorium*) Brasil 105  
*decipiens* (Baker) K. & R. (*Eupatorium*) Brasil 105  
*grandis* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 105  
*itacolumiensis* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 105  
*jaraguensis* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 105  
*leptolepis* (Baker) K. & R. (*Eupatorium*) Brasil 105  
*lysimachioides* (Chod.) K. & R. (*Eupatorium*) Paraguav 105  
*pandurifolius* (Baker) K. & R. (*Eupatorium*) Brasil 105  
*pumilus* (Gardn.) K. & R. (*Bulbostylis*) Brasil 105  
*reitzii* K. & R. 1972 Brasil 105  
 †*vauthierianus* (DC.) K. & R. (*Eupatorium*) 105 = *Heterocondylus alatus* 207  
*vitalbae* (DC.) K. & R. (*Eupatorium*) South America 105,114,229,230

†*Heterolaena* Sch.-Bip. ex Benth. & Hook. 1873 = *Chromolaena* 11,29,229,233  
 †*odoratus* (L.) Sch.-Bip. ex Benth. & Hook. (*Eupatorium*) = *Osmia odorata* =  
*Chromolaena odorata* 11,229

*Hofmeisteria* Walp. 1847 8 spp. 7,8,11,18,235  
*crassifolia* Wats. 1889 2,4  
*dissecta* (H. & A.) K. & R. (*Podophania, Phania, Eupatorium*) 2,4,11,100  
*fasciculata* (Benth.) Walp. (*Heleoeyne*) 2,4,11,230  
*filifolia* Johnston 1924 2,4  
 †*gentryi* Wiggins 1950 = *Pleurocoronis gentryi* 2  
 †*laphamoides* Rose 1890 = *Pleurocoronis laphamoides* 2  
 †*pluriseta* Gray 1857 = *Pleurocoronis pluriseta* 2  
 †*pubescens* Wats. 1889 = *Hofmeisteria fasciculata* 4  
*schaffneri* (Gray) K. & R. (*Fleischmannia*) 2,4,100,233  
*sinaloensis* Gentry 2,4  
*standleyi* (Blake) K. & R. (*Fleischmannia*) 2,4  
*tenuis* (Wats.) Johnston (*Malperia*) = *Malperia tenuis* 3  
*urenifolia* (H. & A.) Walp. (*Phania, Fleischmannia*) 2,4,100  
 †*viscosa* Nelson 1904 = *Hofmeisteria pluriseta* 3 = *Pleurocoronis pluriseta* 2

*Hughesia* K. & R. 1980 1 sp. 201  
*reginae* K. & R. 1980 Peru 201

*Idiothamnus* K. & R. 1975 4 spp. 150,155,233  
*clavisetus* (Badillo) K. & R. (*Eupatoriastrum*) Venezuela 155  
*lilloi* (B.L. Robins.) K. & R. (*Eupatorium*) Argentina 155  
*orgyaloides* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 155  
*pseudorgyalis* K. & R. 1975 Brasil 155

*Ilisia* Blake 1957 2 spp. Central America 131,233  
*echandiensis* K. & R. 1984 Costa Rica, Panama 219  
*repens* Blake 1957 Costa Rica 219

*Imeria* K. & R. 1975 1 sp. 152,175,233  
*memorabilis* (Maguire & Wurdack) K. & R. (*Eupatorium*) Venezuela 152

†*Ismaria* Raf. 1838 = *Brickellia* 11,229  
 †*glandulosa* Raf. 1838 = *Brickellia glandulosa* 11,229

†*Isocarpha* Less. = *Ageratum* 233  
 †*echiooides* Less. = *Ageratum echooides* 232  
 †*fastigiata* Gardn. 1846 = *Ageratum fastigiatum* 88  
 †*foliosa* Gardn. 1846 = *Piqueria foliosa* = *Teizeiranthes foliosus* 193

*Isocarpha* R. Brown 1817 4 spp. 11,100,107,194,233,235  
*atriciplicifolia* (L.) R. Brown Guatemala 230  
 †*eupatorioides* Gardn. 1846 = *Trichogonia eupatorioides* 187  
*oppositifolia* (L.) R. Brown (*Calea*) Guatemala, Mexico 11,100,229,230,232,233

*Jaliscoa* Wats. 1890 3 spp. 11,22,85,168,233,235  
*goldmanii* (B.L. Robins.) K. & R. (*Piptothrix*) Mexico 23,100  
*paleacea* (Cronquist) K. & R. (*Piptothrix*) Jalisco 23,100  
 †*pappifera* Blake 1924 = *Jaliscoa pringlei* 15,23  
*pringlei* Wats. 1890 Mexico 11,15,23,100

*Jaramilloa* K. & R. 1980 2 spp. 196,202  
*hylibates* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 196  
*sanctae-martae* K. & R. 1980 Colombia 196

*Jaumea* Pers.  
 †*tenuifolia* Klatt 1887 = *Bartlettina karwinskiana* 167

†*Kallophyllon* Pohl ex Baker 1876 11 = *Sympphyopappus* 233  
*crenatum* Pohl nom. nud. 11

*Kallophyllon* continued*ovatum* Pohl nom. nud. 11

†*Kaninia* Gardn. 1847 = *Mikania* 11,198,216,233,235  
 †*goyazensis* B.L. Robins. 1925 = *Mikania goyazensis* 198  
 †*gracilis* Baker 1876 = *Mikania bakeri* 198  
 †*nitida* (DC.) (*Eupatorium*) = *Mikania nitida* 198  
 †*palustris* Gardn. 1847 = *Mikania palustris* 198  
 †*pohlii* Baker 1876 = *Mikania pohlii* 198  
 †*purpurascens* Baker 1876 = *Mikania purpurascens* 198  
 †*strobilifera* Gardn. = *Mikania oblongifolia* 198

*Kaunia* K. & R. 1980 14 spp. 202

*arbuscularis* (B.L. Robins.) K. & R. (*Eupatorium longipetiolatum* var. *arbusculare*)  
 Ecuador 202

*camataguiensis* (Heiron.) K. & R. (*Eupatorium*) Bolivia 202*endya* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 202*eucosmoides* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 202*grossidentata* (Heiron.) K. & R. (*Eupatorium*) Bolivia 202*gynoximorpha* (Rusby ex B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 202*hosanensis* (B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 202*ignorata* (Heiron.) K. & R. (*Eupatorium*) Bolivia 202*lasiophthalma* (Griseb.) K. & R. (*Eupatorium*) Argentina, Bolivia 202*longipetiolata* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium, Ageratina*) Bolivia 85,202*pachanoi* (B.L. Robins.) K. & R. (*Eupatorium*) Ecuador 202*rufescens* (Lund ex DC.) K. & R. (*Eupatorium*) Bolivia, Brasil 202*saltensis* (Heiron.) K. & R. (*Eupatorium*) Argentina, Bolivia 202*uber* (B.L. Robins.) K. & R. (*Eupatorium*) 202*Koanophyllum* Arruda da Camara 1810 115 spp. 41,48,49,50,59,62,63,89,113,128,151,153, 155,156,158,174,182,183,190,191,217,233,235*adamantium* (Gardn.) K. & R. (*Eupatorium*) Brasil 150*albicaule* (Sch.-Bip. ex Klatt) K. & R. (*Eupatorium*) Mexico 64,72,100,150*andersonii* K. & R. 1980 Brasil 191*atroglandulosum* (Alain) K. & R. (*Eupatorium*) Cuba 150*ayapanoides* (Griseb.) K. & R. (*Eupatorium*) Cuba 150*baccharifolium* (Gardn.) K. & R. (*Eupatorium*) Brasil 150*barahonense* (Urban) K. & R. (*Eupatorium*) Hispaniola 150*breviflorum* (Alain) K. & R. (*Eupatorium*) Cuba 150*bullescens* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 150*cabaionum* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 150*calcicola* (Urban) K. & R. (*Eupatorium*) Hispaniola 150*celtidifolium* (Lam.) K. & R. (*Eupatorium*) West Indies, northern South America 64,72, 150*chabrense* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 150*chalceorithales* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 150*clementis* (Alain) K. & R. (*Eupatorium*) Cuba 150*conglobatum* (DC.) K. & R. (*Eupatorium*) Brasil 190*consanguineum* (DC.) K. & R. (*Eupatorium*) Brasil 150,154,191*correlliorum* (Pleettman) K. & R. (*Eupatorium*) 164*coulteri* (B.L. Robins.) K. & R. (*Eupatorium*) Guatemala 64,150*cubense* (DC.) K. & R. (*Eupatorium*) Cuba 150*cynanchifolium* (DC.) K. & R. (*Eupatorium*) Cuba 150*delpechianum* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 150*dolicholepis* (Urban) K. & R. (*Eupatorium villosum* var. *dolicholepis*) Puerto Rico 150

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*dolphinii* (Urban) K. & R. (*Eupatorium*) Jamaica 150  
*droserolepis* (B.L. Robins.) K. & R. (*Eupatorium*) Puerto Rico 150  
*dukei* K. & R. 1974 Panama 120,150,229  
*eitenii* K. & R. 1975 Brasil 150  
*ekmanii* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 150  
*flavidulum* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 150  
*flexile* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 64,150  
*fuscum* (N.E. Brown) K. & R. (*Eupatorium*) Venezuela 150  
*gabbii* (Urban) K. & R. (*Eupatorium*) Hispaniola 150  
*galeottii* (B.L. Robins.) K. & R. (*Eupatorium*) Guatemala, Mexico 234  
*gibbosum* (Urban) K. & R. (*Eupatorium*) Hispaniola 150  
*gracilicaule* (Sch.-Bip. ex B.L. Robins.) K. & R. (*Eupatorium*) Mexico 150  
*gracilipes* (Urban) K. & R. (*Eupatorium*) Jamaica 150  
*grandiceps* (Wright) K. & R. (*Eupatorium*) 207  
*grisebachianum* (Alain) K. & R. (*Eupatorium*) Dominican Republic 150,207  
*gundlachii* (Urban) K. & R. (*Eupatorium*) Cuba 150  
*hammatocladium* (B.L. Robins. & Britt.) K. & R. (*Eupatorium*) Jamaica 150  
*hardwarense* (G.R. Proctor & C.D. Adams) K. & R. (*Eupatorium*) Jamaica 150  
*helianthemooides* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 150  
*heptaneurum* (Urban) K. & R. (*Eupatorium*) Dominican Republic 150  
*hidrodes* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 150  
*hondurensse* (B.L. Robins.) K. & R. (*Eupatorium*) Honduras 64,72,150  
*hotteanum* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 150  
*huantae* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 64,150  
*hyلونомум* (B.L. Robins.) K. & R. (*Eupatorium*) Central America 64,150,230  
*hypomalacum* (B.L. Robins. ex Donn. Smith) K. & R. (*Eupatorium*) Guatemala 64,120,  
 150,229  
*†incisum* K. & R. (*Eupatorium*) 150 = *Koanophyllum grisebachianum* 207  
*isillumense* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 150  
*iteophyllum* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 150  
*jaegerianum* (Urban) K. & R. (*Eupatorium*) Haiti 150  
*jensenii* (Urban) K. & R. (*Eupatorium*) Haiti 150  
*jugipaniculatum* (Rusby) K. & R. (*Eupatorium*) Bolivia 150  
*juninense* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 150  
*kavanayense* (Badillo) K. & R. (*Eupatorium*) Venezuela 150  
*lindenianum* (A. Rich.) K. & R. (*Eupatorium*) Cuba 150  
*littorale* K. & R. Cuba 150  
*lobatifolium* (Cabrera) K. & R. (*Eupatorium*) Brasil 130  
*longifolium* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 64,150  
*maestrense* (Urban) K. & R. (*Eupatorium*) Cuba 150  
*mesoreopolum* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 150  
*microchaetum* (Urban & Ekman) K. & R. (*Eupatorium*) Hispaniola 150  
*mimicum* (Standl. & Steyerl.) K. & R. (*Eupatorium*) Guatemala 64,150  
*minutifolium* (Alain) K. & R. (*Eupatorium*) Cuba 150  
*miragoanae* (Urban) K. & R. (*Eupatorium*) Haiti 150  
*montanum* (Sw.) K. & R. (*Eupatorium*) Jamaica 150  
*mornicola* (Urban & Ekman) K. & R. (*Eupatorium, Chromolaena*) Haiti 29,150  
*muricatum* (Alain) K. & R. (*Eupatorium*) Cuba 150  
*myrtilloides* (DC.) K. & R. (*Eupatorium*) Brasil 150  
*nervosum* (Sw.) K. & R. (*Eupatorium*) Hispaniola 150  
*nudiflorum* (A. Rich.) K. & R. (*Eupatorium*) Cuba 150

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*obtusissimum* (DC.) K. & R. (*Eupatorium*) Dominican Republic 150  
*oligadenium* (Alain) K. & R. (*Eupatorium*) Cuba 150  
*pachyneurum* (Urban) K. & R. (*Eupatorium*) Hispaniola 150  
*palmeri* (Gray) K. & R. (*Eupatorium*) Mexico 64,150  
*panamense* K. & R. 1974 Panama 120,150,229  
*paucirenatum* (Urban & Ekman) K. & R. (*Eupatorium*) Hispaniola 150  
*phanioides* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 149,150  
*picardae* (Urban) K. & R. (*Eupatorium*) Haiti 150  
*pitonianum* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 150  
*pittieri* (Klatt) K. & R. (*Eupatorium*) Costa Rica, Central America 64,150,229,234  
†*plicatum* (Urban) K. & R. (*Eupatorium*) 64 = *Koanophyllum celtidifolium* 150  
*polyodon* (Urban) K. & R. (*Eupatorium*) Puerto Rico 150  
*polystictum* (Urban) K. & R. (*Eupatorium*) Cuba 150  
*porphyrocladum* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 150  
*prinodes* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 150  
*pseudopersfoliatum* (Sch.-Bip. ex Klatt) K. & R. (*Eupatorium*) Mexico 64,150  
*puberulum* (DC.) K. & R. (*Eupatorium*) Hispaniola 150  
*quisqueyanum* (Alain) K. & R. (*Eupatorium*) 207  
*ravenii* K. & R. 1971 Mexico 64,150,230  
*reversum* (Urban) K. & R. (*Eupatorium*) Haiti 150  
*rhexioides* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 150  
*rubroviolaceum* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 150  
*scabriusculum* (Urban & Ekman) K. & R. (*Eupatorium*) Haiti 150  
*sciatraphes* (B.L. Robins.) K. & R. (*Eupatorium*) Hispaniola, Venezuela 150  
*selleanum* (Urban) K. & R. (*Eupatorium*) Haiti 149,150  
*semicrenatum* (Urban) K. & R. (*Eupatorium*) Hispaniola 150  
*silvacum* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 150  
*simile* (Proctor) K. & R. (*Eupatorium*) Jamaica 150  
*simillimum* (B.L. Robins.) K. & R. (*Eupatorium*) Argentina, Paraguay 64,150  
*solidaginifolium* (Gray) K. & R. (*Eupatorium*) US, Mexico 64,100,150  
*solidaginoides* (H.B.K.) K. & R. (*Eupatorium*, *Ophryosporus*) Central America, South America 64,72,150,229,232  
*sorensenii* K. & R. 1972 Belize 72,150  
*standleyi* (B.L. Robins.) K. & R. (*Piqueria*) Salvador 64,131,133,150,232  
*stipuliferum* (Rusby) K. & R. (*Eupatorium*) Argentina, Bolivia 64,150  
*subpurpureum* (Urban & Ekman) K. & R. (*Eupatorium*) Dominican Republic 150  
*tapeinanthum* (Urban) K. & R. (*Eupatorium*) Haiti 150  
*tatei* (B.L. Robins.) K. & R. (*Eupatorium*) Venezuela 150  
*tetranthum* (Griseb.) K. & R. (*Eupatorium*) Jamaica 150  
*thyrsanolepis* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 150  
*tinctorium* Arruda da Camara 1810 Brasil, Paraguay 64,72,150,190  
*tricephalotes* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 150  
*triradiatum* (Urban) K. & R. (*Eupatorium*) Haiti 150  
*villosum* (Sw.) K. & R. (*Eupatorium*) US, West Indies 150  
*wetmorei* (B.L. Robins.) K. & R. (*Eupatorium hypomalacum* var. *wetmorei*) Panama 120,150,229  
†*Kuhnia* L. 1763 = *Brickellia* 233  
†*arguta* H.B.K. 1818 = *Trichogonia arguta* 92  
†*baccharoides* DC. 1836 = *Bahianthus viscosus* 70  
†*eupatorioides* L. 1763 = *Brickellia eupatorioides* 229  
†*podocarpa* DC. = *Trichogonia podocarpa* = *Trichogoniopsis podocarpa* 187

†*Kyrstenia* Neck. ex Greene 1903 = *Ageratina* 18,63,229,233
   
  †*aromatica* (L.) Greene (*Eupatorium*) = *Ageratina aromaticata* 229
   
  †*betulifolia* Greene 1903 = *Ageratina betulifolia* 19
   
  †*donnell-smithii* (Coulter.) Greene (*Eupatorium*) = *Ageratina aschenboriana* 229
   
  †*rufa* Greene 1903 = *Ageratina rufa* 19
   
  †*subintegra* Greene 1903 = *Ageratina subintegra* 19
   
  †*thyrsiflora* Greene 1903 = *Ageratina thyrsiflora* 19

*Kyrsteniopsis* K. & R. 1971 4 spp. 63,77,78,100,115,165,232,233
   
  *congesta* K. & R. 1972 Mexico 76
   
  *cymulifera* (B.L. Robins.) K. & R. (*Brickellia*) Mexico 76
   
  *dibollii* K. & R. 1972 Mexico 76
   
  *nelsonii* (B.L. Robins.) K. & R. (*Eupatorium*) Mexico 63,100

†*Lacinaria* J. Hill 1772 = *Liatris* 11,233
   
  †*ohlingerae* Blake = *Ammopursus ohlingerae* 11
   
  †*squarrosa* (L.) Hill (*Serratula*) = *Liatris squarrosa* 11

*Lasiolaena* K. & R. 1972 5 spp. 96,177,233,235
   
  *blanchetii* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) Brasil 57,96,185
   
  *duartei* K. & R. 1972 Brasil 96,185
   
  *morii* K. & R. 1979 Brasil 185
   
  *pereirae* K. & R. 1980 Brasil 191
   
  *santosii* K. & R. 1979 Brasil 185,191

†*Lavenia* Sw. 1788 = *Adenostemma* 11,229,233
   
  †*erecta* Sw. 1788 = *Adenostemma erecta* 11
   
  †*spathulatum* = *Adenostemma platyphyllum* 229

†*Lepidesmia* Klatt 1896 = *Ayapana* 194,235
   
  †*squarrosa* Klatt 1894 = *Ayapana squarrosa* 30,229

†*Leptoclinium* (Gardn.) Benth. 1873 = *Sympphyopappus* 179
   
  †*brasiliense* (Gardn.) Benth. (*Liatris*) = *Sympphyopappus brasiliensis* 179

†*Leptoclinium* (Nutt.) Gray = *Garberia* 11,233
   
  †*fruticosa* (Nutt.) Gray (*Liatris*) = *Garberia fruticosa* 11

†*Leto* Phil. 1891 = *Heleogyne* 11,233
   
  †*tenuifolia* Phil. = *Heleogyne tenuifolia* 11

*Liabum* Adans.
   
  †*homogamum* Heiron. 1901 = *Neomirandeaa homogama* 229

*Liatris* Gaertn. ex Schreber 1791 42 spp. North America 11,235,233
   
  †*brasiliensis* Gardn. 1846 = *Leptoclinium brasiliense* 11 = *Sympphyopappus brasiliensis* 179
   
  *cylindracea* Michx. US 225
   
  *elegans* (Walt.) (*Staelhelina*, *Calostelma*) US 11,225
   
  †*fruticosa* Nutt. = *Leptoclinium fruticosa* = *Garberia fruticosa* 11
   
  †*odoratissima* Willd. = *Trilisa odoratissima* 11
   
  *spicata* (L.) Willd. (*Serratula*, *Suprago*) US 11
   
  *squarrosa* (L.) Michx. (*Serratula*, *Lacinaria*) US 11,225
   
  †*trichotoma* Gardn. 1847 = *Leptoclinium brasiliense* 11 = *Sympphyopappus brasiliensis* 179

*Lithothamnus* K. & R. 1979 1 sp. 175
   
  *ellipticus* K. & R. 1979 Brasil 175

*Litrisa* Small 1924 1 sp. 11,233
   
  *carnosa* Small 1924 US 11

*Lomatozoma* Baker 1876 4 spp. 11,124,228,233
   
  *andersonii* K. & R. 1975 Brasil 148,173,178
   
  *artemisiifolia* Baker 1876 Brasil 11,148,173,178

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*huntii* K. & R. 1978 Brasil 173,178  
*inaequalis* K. & R. 1979 Brasil 178

*Lorentzianthus* K. & R. 1975 1 sp. 150,153,233  
*viscidus* (H. & A.) K. & R. (*Eupatorium*) Bolivia, Argentina 153,154

*Lourteigia* K. & R. 1971 7 spp. 33,34,35,75,233  
*ballotifolia* H.B.K. K. & R. (*Eupatorium*) Colombia, Venezuela 68  
*dichroa* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 35  
*humilis* (Benth.) K. & R. (*Conoclinium*) Colombia 35  
*lanulata* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 35  
*microphylla* (L.) K. & R. (*Eupatorium*) Colombia 35  
*ornatiloba* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 35  
*stoechadifolia* (L.) K. & R. (*Eupatorium*) Colombia, Venezuela 35

*Lycapsus* Phil. 1870 11  
*tenuifolius* Phil. 1870 11

*Macropodina* K. & R. 1972 3 spp. 91,233  
*blumenavii* (Heiron.) K. & R. (*Eupatorium*) Brasil 91  
*bradei* K. & R. 1972 Brasil 91,93  
*reitzii* K. & R. 1972 Brasil 91

*Macvaughiella* K. & R. 1968 2 spp. 11,15,85,168,233  
*mexicana* (Sch.-Bip.) K. & R. (*Schaetzellia*) Mexico, Guatemala 11,15  
† *standleyi* (Steyer.) K. & R. (*Schaetzellia*) = *Macvaughiella mexicana* 15

† *Mallinoa* Coult. 1895 = *Ageratina* 11,233  
† *corymbosa* Coult. = *Ageratina muelleri* 11,19,229

*Malmeanthus* K. & R. 1980 3 spp. 199  
*catharinensis* K. & R. 1980 Brasil 199  
*hilarii* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 199  
*subintegerrimus* (Malme) K. & R. (*Eupatorium*) Argentina, Brasil, Paraguay 143,199

*Malperia* Wats. 1889 1 sp. 2,3,11,165,233  
*tenuis* Wats. 1889 (*Malperia, Hofmeisteria*) Mexico, SW US 3,11

† *Margacola* Buckley 1861 = *Trichocoronis* 11,27,233  
† *parvula* Buckley 1861 = *Trichocoronis wrightii* 27

*Matudina* K. & R. 1973 1 sp. 113,233  
*corvii* (McVaugh) K. & R. (*Eupatorium*) Mexico 113,230

*Metastevia* Grashoff 1 sp. Mexico 232,235,233

*Mezianthus* B.L. Robins. 1925 1 sp. 7,11,62,64,150,233,235  
*mexicanus* B.L. Robins. 1925 Mexico 7,11,100

† *Microconia* Dusen = *Stomatianthes* 24,227,233

*Microspermum* Lag. 1816 8 spp. 100,131,219,232,233,235  
*debile* Benth. Mexico 100  
*nummulariifolium* Lag. 1816 Mexico 100

*Mikania* Willd. 1803 410 spp. 11,24,44,190,201,216,222,223,226,235  
*almagroii* Cuatrecasas 1935 = *Mikania banisteriae* 229  
*alvimii* K. & R. 1980 Brasil 188  
*amara* Willd. 11,229  
*amara* var. *guaco* (H. & B.) Baker = *Mikania guaco* 229  
*ambylepis* B.L. Robins. 1920 229  
*anethifolia* (DC.) Matzenbacher (*Eupatorium*) 209  
† *angustifolia* H.B.K. 1818 = *Ageratina angustifolia* 19  
† *antioquiensis* Heiron. var. *subcuneata* B.L. Robins. 1934 = *Mikania banisteriae* 229  
† *badiieri* DC. 1836 = *Mikania hookeriana* 229  
† *badiieri* var. *kittiana* Urban 1907 = *Mikania hookeriana* 229

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*bakeri* K. & R. 1980 (*Kanimia gracilis* Baker) Brasil 198  
*banisteriae* DC. Peru, Panama 211,229  
 †*banisteriae* f. *lehmanniana* (Heiron.) Steyerl. = *Mikania banisteriae* 229  
 †*banisteriae* f. *subglabra* (B.L. Robins.) Steyerl. = *Mikania banisteriae* 229  
*belemii* K. & R. 1980 Brasil 188  
 †*bergantinensis* Badillo 1946 = *Mikania banisteriae* 229  
*bishopii* K. & R. 1981 Brasil 205  
 †*canaquensis* Badillo 1944 = *Mikania banisteriae* 229  
 †*caudata* Benth. 1845 = *Mikania banisteriae* 229  
 †*convolvulacea* DC. 1836 = *Mikania cordifolia* 229  
*cordifolia* (L.) Willd. (*Cacalia*, *Willoughbya*) Peru 100,233  
*cristata* B.L. Robins. Honduras, Costa Rica, Panama 232  
*duckei* Barroso Brasil 205  
*eriophora* Sch.-Bip. Mexico, Central America 229  
 †*erithalina* DC. 1836 = *Mikania nitida* 198  
 †*ferruginea* Rusby var. *subglabra* B.L. Robins. = *Mikania banisteriae* 229  
*filgueirasi* K. & R. 1981 Brasil 211  
*firmula* Baker Brasil 205  
*gleasonii* B.L. Robins. British Guiana 123  
*globosa* Coult. Guatemala, Honduras, Mexico 229  
*globosa* Spreng. Brasil 188  
*glomerata* Spreng. 205  
 †*gonoclada* DC. 1836 = *Mikania cordifolia* 229  
*goyazensis* (B.L. Robins.) K. & R. (*Kanimia*) Brasil 198  
*gracilis* Sch.-Bip. ex Baker 198  
 †*gracilis* Sch.-Bip. ex Miq. 1850 = *Mikania hookeriana* 229  
*grazielae* K. & R. 1980 Brasil 188  
*guace* H. & B. Costa Rica, Peru 229  
*hagei* K. & R. 1980 Brasil 188,205  
*hastata* (L.) (*Eupatorium*) 11  
*hemisphaerica* Sch.-Bip. ex Baker Brasil 188  
*hookeriana* DC. Brasil 188,205,229  
 †*hookeriana* var. *badieri* (DC.) B.L. Robins. (*Mikania*) = *Mikania hookeriana* 229  
 †*hookeriana* var. *kittsiana* (Urban) B.L. Robins. (*Mikania badieri* var. *kittsiana*) = *Mikania hookeriana* 229  
 †*hookeriana* var. *platyphylla* (DC.) B.L. Robins. (*Mikania*, *Willoughbya*) = *Mikania hookeriana* 229  
 †*hookeriana* var. *cardiophylla* B.L. Robins. 1934 = *Mikania hookeriana* 229  
 †*hookeriana* var. *crassicaulis* Steyerl. 1953 = *Mikania hookeriana* 229  
*houstoniana* (L.) B.L. Robins. (*Eupatorium*) Panama, Mexico 229  
 †*houstonis* (L.) Willd. (*Eupatorium*) = *Willoughbya houstonis* = *Mikania houstoniana* 229  
*iltisii* K. & R. 1974 (based on *Mikania standleyi* K. & R.) Costa Rica 130  
 †*imrayana* Griseb. 1861 = *Willoughbya imrayana* = *Mikania hookeriana* 229  
*inordinata* K. & R. 1980 Brasil 188  
*karuaiensis* Badillo 1946 = *Mikania psilostachya* 229  
*kavanayensis* Badillo 1946 = *Mikania banisteriae* 229  
*kubitzkii* K. & R. 1981 Brasil 205  
*lanuginosa* DC. Brasil 229  
*leiostachya* Benth. 1845 Panama, Peru 114,229  
*ligustrifolia* DC. 211  
*lindleyana* DC. Peru 187

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*lucida* Blake Venezuela 123  
*mattossilvae* K. & R. 1981 Brasil 211  
*meridana* Badillo 1946 = *Mikania banisteriae* 229  
*micrantha* H.B.K. Panama, Ecuador, Peru 100,114,229,230  
*microcephala* DC. 211  
*micronioides* B.L. Robins. 1920 Colombia, Panama 229  
†*molinensis* Badillo 1946 = *Mikania banisteriae* 229  
†*mollis* H.B.K. 1818 = *Mikania cordifolia* 229  
*mongasensis* Badillo Venezuela 229  
*mori* K. & R. 1980 Brasil 188  
*moronoa* (Kunze) (*Corynanthelium*) 11,229  
*neurocaula* DC. Brasil 188  
*nitida* (DC.) K. & R. (*Kanimia*) Brasil 198  
†*nubigena* B.L. Robins. 1926 = *Mikania pittieri* 229  
*oblongifolia* DC. Brasil 11,198  
*odorata* (*Morrenia*) 11,229  
†*olivacea* Klatt 1892 = *Mikania guaco* 229  
†*toniaensis* Badillo 1946 = *Mikania banisteriae* 229  
†*torinocensis* H.B.K. 1818 = *Mikania micrantha* 229  
*oxylepis* Sch.-Bip. ex Baker 1876 Brasil 188  
*palustris* (Gardn.) K. & R. (*Kanimia*) Brasil 11,198  
†*panamensis* B.L. Robins. 1934 = *Mikania amblyolepis* 229  
*parviflora* (Aubl.) Karst. Peru 123  
*phaeoclados* Mart. ex Baker Brasil 188  
*pittieri* B.L. Robins. 1904 Panama, Costa Rica 229  
†*platyphylla* DC. 1836 = *Willoughbya platyphylla* = *Mikania hookeriana* 229  
†*poepigii* Spreng. 1826 = *Mikania cordifolia* 229  
*pohlii* (Baker) K. & R. (*Kanimia*) Brasil 198  
*pseudomicrocephala* K. & R. 1981 Brasil 211  
*psilostachya* DC. 1836 Panama, South America 229  
†*psilostachya* var. *scabra* (DC.) Baker = *Mikania psilostachya* 229  
†*psilostachya* var. *racemulosa* (Benth.) Baker = *Mikania psilostachya* 229  
†*ptaretepuiensis* Badillo 1946 = *Mikania banisteriae* 229  
*pteropoda* 205  
*purpurascens* (Sch.-Bip. ex Baker) K. & R. (*Kanimia*) Brasil 198  
*pyramidalata* Donn. Smith Mexico, Central America 229  
†*racemulosa* Benth. 1839 = *Mikania psilostachya* 229  
†*resinosa* Spreng. 1820 = *Dasycondylus resinosus* 97  
*rothii* Barroso Brasil 188  
*ruiziana* Poepp. 1845 = *Mikania banisteriae* 229  
*salviifolia* Gardn. 187  
†*sanjacintensis* Badillo 1946 = *Mikania hookeriana* 229  
*santosii* K. & R. 1980 Brasil 188  
†*scabra* DC. 1836 = *Mikania psilostachya* 229  
*scandens* (L.) Willd. (*Eupatorium*, *Willoughbya*) US 11,188,229,230  
†*sinuata* Rusby 1912 = *Mikania micrantha* 229  
†*skutchii* Blake 1937 = *Mikania banisteriae* 229  
*smilacina* DC. 205  
*standleyi* B.L. Robins. 1926 Costa Rica 130  
†*standleyi* K. & R. 1974 = *Mikania iltisii* 123,130  
*steyermarkii* K. & R. 1974 Venezuela 123

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*stipulacea* (Vahl) Willd. Brasil 188  
 †*stipulifera* L.O. Williams 1975 = *Mikania cristata* 232  
*stuebelii* Heiron. N South America 123  
 †*suaveolens* H.B.K. 1818 = *Mikania cordifolia* 229  
 †*subcrenata* H. & A. 1836 = *Mikania micrantha* 229  
 †*subcymosa* Gardn. 1847 = *Mikania micrantha* 229  
*subverticillata* Sch.-Bip. ex Baker Brasil 188  
*sylvatica* Klatt Northern South America 229  
*teizeirae* K. & R. 1980 Brasil 188  
 †*tenuiflora* Griseb. = *Eupatorium arnottii* = *Austrobrickellia arnottii* 82  
*thapooides* DC. 188  
*thyrsoides* Baker Brasil 205  
*tillettii* K. & R. 1974 British Guiana 123  
*tonduzii* B.L. Robins. 1904 Costa Rica, Panama 229  
*tysonii* K. & R. 1974 Panama 123,229  
 †*umbellifera* Gardn. 1845 = *Mikania micrantha* 229  
*vautheriana* Baker 211  
 †*viscosa* Spreng. 1820 = *Bahianthus viscosus* 70  
*vitifolia* DC. Ecuador 230  
 †*vitrea* B.L. Robins. 1920 = *Mikania hookeriana* 229  
 †*wedelii* Holmes & McDaniel 1976 = *Mikania tysonii* 229  
*zonensis* K. & R. 1974 Panama 123,229  
*Monogerion* Barroso & King 1971 1 sp. 87,106,107,194,195,228,233,235  
*caricensis* Barroso & King 1971 Brasil 228  
*Morithamnus* K. & R. 1979 2 spp. Brasil 177,184,191,213  
*crassus* K. & R. 1979 Brasil 177,191  
*ganophyllum* (Mattf.) K. & R. (*Eupatorium*) Brasil 191  
 †*Moronoa* Kunze orthographic error of *Morrenia* 11,229  
 †*Morrenia* Kunze 1847 nom. nud. = *Mikania* 11,229  
 †*odorata* Kunze nom. nud. = *Mikania odorata* 11,229  
 †*Mustelia* Spreng. 1801 = *Stevia* 11,229,233  
 †*eupatoria* Spreng. 1801 = *Stevia eupatoria* 11,229  
 †*Neobarlettia* K. & R. 1971 36,37,61 = *Bartlettina*  
 †*brevipetiolata* (Sch.-Bip. ex Klatt) K. & R. (*Hebeclinium*) 36,37 = *Bartlettina*  
*brevipetiolata* 61  
 †*constipatiflora* (Klatt) K. & R. (*Eupatorium*) 36 = *Bartlettina constipatiflora* 61  
 †*ehrenbergii* (Hemsl.) K. & R. (*Eupatorium*) 36 = *Bartlettina ehrenbergii* 61  
 †*ehrenbergii* (Sch.-Bip. ex Hemsl.) K. & R. (*Hebeclinium*) 37  
 †*hastifera* (Standl. & Steyerl.) K. & R. (*Eupatorium*) 36 = *Bartlettina hastifera* 61  
 †*hylobia* (B.L. Robins.) K. & R. (*Eupatorium*) 36 = *Bartlettina hylobia* 61  
 †*karwinskiana* (DC.) K. & R. (*Eupatorium*) 36 = *Bartlettina karwinskiana* 61  
 †*luzii* (B.L. Robins.) K. & R. (*Eupatorium*) 36 = *Bartlettina luzii* 61  
 †*mazonii* (B.L. Robins.) K. & R. (*Eupatorium*) 36 = *Bartlettina mazonii* 61  
 †*meziae* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 36 = *Bartlettina hemisphaerica* 61  
 †*oresbia* (B.L. Robins.) K. & R. (*Eupatorium*) 36 = *Bartlettina oresbia* 61  
 †*oresboides* (B.L. Robins.) K. & R. (*Eupatorium*) 36 = *Bartlettina oresboides* 61  
 †*paezensis* (Heiron.) K. & R. (*Eupatorium*) 36 = *Bartlettina paezensis* 61  
 †*pansamalensis* (B.L. Robins.) K. & R. (*Eupatorium*) 36 = *Bartlettina pansamalensis* 61  
 †*pinabetensis* (B.L. Robins.) K. & R. (*Eupatorium*) 36 = *Bartlettina pinabetensis* 61  
 †*platyphylla* (B.L. Robins.) K. & R. (*Eupatorium*) 36 = *Bartlettina platyphylla* 61  
 †*prionophylla* (B.L. Robins.) K. & R. (*Eupatorium*) 36 = *Bartlettina prionophylla* 61

## Neobartlettia continued

†ruae (Standl.) K. & R. (*Eupatorium*) 36 = *Bartlettina ruae* 61  
 †sordida (Less.) K. & R. (*Eupatorium*) 36,37 = *Bartlettina sordida* 61  
 †tuerckheimii (Klatt) K. & R. (*Eupatorium*) = *Bartlettina tuerckheimii* 36,61

## Neobartlettia Schlechtr. Orchidaceae

Neocabreria K. &amp; R. 1972 5 spp. 65,199,207,233,235

*catharinensis* (Cabreria) K. & R. (*Eupatorium*, *Sympphyopappus*) Brasil, Argentina 170, 179  
*concinna* (DC.) K. & R. (*Eupatorium*) Brasil 65,170  
*malachophylla* (Klatt) K. & R. (*Eupatorium*) Brasil, Argentina 65,170  
*meziae* K. & R. 1978 Brasil 170  
*pennivenia* (B.L. Robins.) K. & R. (*Sympphyopappus*) Brasil 54,207,179  
*serrulata* (DC.) K. & R. (*Eupatorium*) Brasil 65,170

Neocuatrecasia K. &amp; R. 1970 8 spp. 32,129,223,233

*dispar* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 32,86,119  
*hirtella* K. & R. 1974 Peru 119  
*lobata* (B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 32,86,119  
*mancoana* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 32,86,119  
*sessilifolia* K. & R. 1972 Peru 86  
*thymifolia* (Britt.) K. & R. (*Eupatorium*) Bolivia 32,86  
*weddelii* (B.L. Robins.) K. & R. (*Eupatorium*) Peru 86

Neohintonia K. &amp; R. 1971 1 sp. 62,64,150,233

*monantha* (Sch.-Bip.) K. & R. (*Eupatorium*) Mexico 62,100,233

Neomirandeia K. &amp; R. 1970 25 spp. 21,96,100,222

*allienii* K. & R. 1972 Panama, Colombia 116,229,230  
*angularis* (B.L. Robins.) K. & R. (*Eupatorium*) Costa Rica 21,101,116,229,230

*araliifolia* (Less.) K. & R. (*Eupatorium*) Mexico, Central America 21,100,136,229

*arthodes* (B.L. Robins.) K. & R. (*Eupatorium*) Costa Rica 21,229

*biflora* K. & R. 1975 Costa Rica 136,137,229,230,232

*burgeri* K. & R. 1972 Costa Rica 101,116,136,229,230

*carnosa* (Kuntze) K. & R. (*Eupatorium*) Costa Rica 21

*chiriquensis* K. & R. 1973 Panama 116,136,229

*costaricensis* K. & R. 1970 Costa Rica 21,136,230,233

*croatii* K. & R. 1975 Panama 136,229

*eximia* (B.L. Robins.) K. & R. (*Eupatorium*) Costa Rica 21,136,229,230

*gracilis* K. & R. Panama 136,229

*grosvenorii* K. & R. Costa Rica 136

*guevarii* K. & R. Costa Rica 101,229

†*heterolepis* (B.L. Robins.) K. & R. (*Eupatorium*) 21 = *Neomirandeia araliifolia* 229

*hitchcockii* (B.L. Robins.) K. & R. (*Eupatorium*) 21 = *Neomirandeia araliifolia* 229

*ovandensis* K. & R. 1970 Mexico 21

*panamensis* K. & R. 1973 Panama 116,229,233

*parasitica* (Klatt) K. & R. (*Eupatorium*) Costa Rica 21,136,229

*pithecobia* (B.L. Robins.) K. & R. (*Eupatorium*) Costa Rica 21,229

*pseudopsoralea* K. & R. 1975 Panama 137,229

*psoralea* (B.L. Robins.) K. & R. (*Eupatorium*) Costa Rica 21,136,137,229

*sciaphila* (B.L. Robins.) K. & R. (*Eupatorium*) Colombia 21

*standleyi* (B.L. Robins.) K. & R. (*Eupatorium*) Costa Rica, Panama 21,101,229

*turrialbae* K. & R. Costa Rica 137,229

Neurolaena R. Br.

†*tenuifolia* Sch.-Bip. ex Klatt 1887 = *Bartlettina karwinskiana* 167

†*Nothites* Cass. 1825 = *Stevia* 11,233  
 †*latifolia* Cass. 1825 = *Stevia melissifolia* 11,229  
 †*ovatifolia* DC. 1836 = *Ophryosporus ovatifolius* = *Decachaeta ovatifolia* 16  
*Nothobaccharis* K. & R. 1979 1 sp. 174  
*candolleana* (Steud.) K. & R. (*Baccharis*) Peru 174  
*Ozacanaria* B.L. Robins. & Greenm. 1895 1 sp. 11,14,233,235  
*malvifolius* B.L. Robins. & Greenm. 1895 11,15  
†*Ooclinium* DC. 1836 = *Prazelis* 11,28,233  
 †*grandiflorum* DC. 1836 = *Prazelis grandiflora* 28  
*Ophryosporus* Meyen 1834 37 spp. 11,16,75,131,133,150,174,222,233,235  
*angustifolius* B.L. Robins. 1930 Bolivia 73  
*anomalus* K. & R. 1972 (*Piqueria cunmingii* B.L. Robins.) Chile, Peru 111  
*apricus* B.L. Robins. 1924 Peru 73  
*aziliflorus* (Griseb.) Heiron. Argentina, Bolivia 73  
*bipinnatifidus* B.L. Robins. 1919 Peru 73  
*charua* (Griseb.) Heiron. 1897 Argentina 73  
*chilca* (H.B.K.) Heiron. 1897 Peru 73  
*clavulatus* Griseb. 1879 Argentina 73  
*cumingii* (Sch.-Bip.) Benth. 1873 Bolivia 73,111  
*densiflorus* (Benth.) K. & R. (*Piqueria*) Ecuador 111  
*eleutherantherus* (Rusby) B.L. Robins. 1920 Bolivia, Peru 73  
*floribundus* (DC.) K. & R. (*Piqueria*) Chile, Peru 111  
*freyreysia* (Dallm.) Baker 1876 Brasil 73  
*galiooides* (DC.) K. & R. (*Piqueria*) Peru 111  
*hartwegii* (B.L. Robins.) K. & R. (*Piqueria*) Peru 111  
*hoppii* (B.L. Robins.) K. & R. (*Trychinolepis*) Peru 7,11,73,111  
*johnstonii* B.L. Robins. 1926 Chile 73  
*kuntzei* Heiron. 1897 Bolivia 73  
*laziflorus* Baker 1876 Brasil 73  
*lorentzii* Heiron. 1897 Argentina 73  
*macbridei* B.L. Robins. 1924 Peru 73  
*macrodon* Griseb. 1879 Bolivia, Argentina 73  
*mathewsi* (B.L. Robins.) K. & R. (*Piqueria*) Peru 111  
*organensis* Cabrera 1957 Brasil 73  
*organoides* (Meyen & Walp.) Heiron. 1897 Bolivia, Ecuador, Peru 73  
†*ovatifolius* (DC.) Benth. & Hook. (*Nothites*) = *Decachaeta ovatifolius* 16  
*ovatus* B.L. Robins. 1919 Peru 73  
*pachychaeta* Baker 1876 Brasil 73  
*paradozus* (H. & A.) Benth. 1873 Chile 73  
*peruvianus* (Gmel.) K. & R. (*Flaveria*) Ecuador, Peru 111  
†*petraeus* (B.L. Robins.) B.L. Robins. (*Eupatorium*) = *Decachaeta ovatifolia* 16  
*pinifolius* (Phil.) K. & R. (*Piqueria*) Chile 111  
*pquierioides* (DC.) Benth. 1873 Argentina, Chile, Peru, Bolivia 73  
*pubescens* (J.E. Smith) K. & R. (*Piqueria*) Peru 111  
*regnellii* Baker 1876 Brasil 73  
*saltensis* Heiron. 1897 Argentina 73  
†*scabrellus* (B.L. Robins.) B.L. Robins. (*Eupatorium*) = *Decachaeta scabrella* 16  
*serratifolius* (H.B.K.) B.L. Robins. 1930 Colombia 73  
*sodiroi* Heiron. 1930 Ecuador 73  
†*solidaginoides* (H.B.K.) Heiron. (*Eupatorium*) = *Koanophyllum solidaginoides* 229  
*steinbachii* B.L. Robins. 1926 Bolivia 73  
*triangularis* Meyen 1834 Chile 11,73

*Ophryosporus* continued

*venosissimus* (Rusby) B.L. Robins. 1905 Bolivia 73

*Orsinia* Bert. = *Inula* 11

† *Orsinia* Bert. ex DC. 1836 = *Eupatorium* 11

† *eupatoria* DC. 1836 = *Eupatorium armanii* 11

† *Osmia* Sch.-Bip. 1866 = *Chromolaena* 11,29,229,233

† *boringensis* Britt. 1925 = *Chromolaena boringensis* 29

† *divergens* (Less.) Sch.-Bip. (*Eupatorium*) = *Chromolaena odorata* 229

† *graciliflora* (DC.) Sch.-Bip. (*Eupatorium*) = *Chromolaena odorata* 229

† *ivifolia* (L.) Sch.-Bip. (*Eupatorium*) = *Chromolaena ivifolia* 229

† *odorata* (L.) Sch.-Bip. (*Eupatorium*, *Heterolaena*) = *Chromolaena odorata* 229

*Osmiopsis* K. & R. 1975 1 sp. 149,156,233,235

*plumieri* (Urban & Ekman) K. & R. (*Eupatorium*, *Chromolaena*) Haiti 149

*Oxylobus* (Moc. ex DC.) Gray 1879 5 spp. 11,22,23,85,168,229,233,235

*arbutifolius* (H.B.K.) Gray (*Ageratum*, *Phania*) Mexico 11,157

*glanduliferus* (Sch.-Bip. ex Benth. & Hook.) Gray Venezuela 232

† *macrocephalus* Paray 1958 = *Revealia macrocephala* 160

*oaxacanus* Blake Mexico 230

*subglabrus* K. & R. 1974 Mexico 117

*trinervia* (Moc.) (*Phania*) Mexico 11

*Pachythamnus* (K. & R.) K. & R. 1972 1 sp. 66,100,168,201,233

*crassirameus* (B.L. Robins.) K. & R. (*Ageratina*, *Eupatorium*) Mexico, Central America 66,100

*Parapiqueira* K. & R. 1980 1 sp. 194,195,235

*cavalcantei* K. & R. 1980 Brasil 194

*Peteravenia* K. & R. 1971 5 spp. 38,63,113,233

*cyrili-nelsonii* (Molina) K. & R. (*Eupatorium*) Central America 176

*grisea* (Coul.) K. & R. (*Eupatorium*) Guatemala, Honduras, Nicaragua 38

*malvifolia* (DC.) K. & R. (*Eupatorium*) Guatemala, Mexico 38

*phoenicolepis* (B.L. Robins.) K. & R. (*Eupatorium*) El Salvador, Guatemala, Mexico 38, 176,230

*rhodochlamydea* (Gray) K. & R. (*Eupatorium*) Mexico 38

*schultzii* (Schnitzspahn) K. & R. (*Eupatorium*) Central America, Mexico 38

*Phalacraea* DC. 1836 5 spp. 11,131,233,235

*callitricha* (B.L. Robins.) K. & R. (*Piqueira*) Colombia 132

*ecuadorensis* K. & R. 1974 Ecuador 132,230

*latifolia* DC. 1836 Peru 11,132

*longipetiolata* (B.L. Robins.) K. & R. (*Piqueira*) 5,132,207

*pittieri* (King) K. & R. (*Piqueira*) 5,132 = *Phalacraea longipetiolata* 207

*Phanerostylis* (Gray) K. & R. 1972 5 spp. 81,165,223

*coahuilensis* (Gray) K. & R. (*Eupatorium*) Mexico 81,233

*glutinosa* (Brandeg.) K. & R. (*Barroetea*) Mexico 81,225

*nesomii* (B.L. Turner) K. & R. (*Brickellia*) Mexico 204

*pedunculosa* (DC.) K. & R. (*Bulbostylis*) Mexico 81,100

*Phania* DC. 1836 4 spp. 88,131,184,233

† *arbutifolia* (H.B.K.) DC. (*Ageratum*) = *Oxylobus arbutifolius* 157

† *dissecta* H. & A. 1841 = *Eupatorium dissectum* = *Podophania dissecta* = *Hofmeisteria dissecta* 2,4

*multicaulis* DC. 1836 West Indies 7,11

† *trinervia* Moc. = *Oxylobus trinervia* 11

† *urenifolia* Benth. & Hook. 1873 = *Hofmeisteria urenifolia* 4

*urenifolia* H. & A. 1840 = *Fleischmannia urenifolia* = *Hofmeisteria urenifolia* 2,4

*Piptocarpha* R. Br.  
 †*sezangularis* Klatt 1895 = *Critonia sezangularis* 48  
*Piptothriz* Gray 1886 6 spp. 11,22,168,233,235  
 †*aegiroides* B.L. Robins. = *Jaliscoa goldmanii* 23  
*areolare* (DC.) K. & R. (*Eupatorium*) Mexico, Guatemala 22,85,100,232  
 †*goldmanii* B.L. Robins. 1900 = *Jaliscoa goldmanii* 22,23  
*jalicensis* B.L. Robins. 1904 Jalisco 22,100  
 †*paleacea* Cronquist 1965 = *Jaliscoa paleacea* 22,23  
*palmeri* Gray 1886 Chihuahua 11,22  
*pubens* Gray 1887 Mexico 22,100  
*sinaloae* Blake 1919 Sinaloa 22

*Piqueria* Cav. 1794 7 spp. 1,2,11,16,89,133,150,184,194,207,228,232,235  
 †*angustata* Gardn. 1847 = *Alomia angustata* = *Gardnerina angustata* 206  
 †*callitricha* B.L. Robins. 1906 = *Phalacraea callitricha* 132  
 †*cunningii* B.L. Robins. 1906 = *Ophryosporus anomalus* 111  
 †*densiflora* Benth. 1845 = *Ophryosporus densiflorus* 111  
 †*florisbunda* DC. 1836 = *Ophryosporus floribundus* 111  
 †*foliosa* (Gardn.) Gardn. (*Isocarpha*) = *Teizeiranthes foliosus* 193  
 †*galoides* DC. 1836 = *Ophryosporus galoides* 111  
 †*hartwegii* B.L. Robins. 1906 = *Ophryosporus hartwegii* 111  
*hintonii* King 1967 Mexico 5  
*laziflora* B.L. Robins. & Seaton Mexico 100,233  
*longipetiolata* Sch.-Bip. ex Baker 1876 5  
 †*longipetiolata* B.L. Robins. 1907 = *Piqueria pittieri* 5 = *Phalacraea longipetiolata* 207  
 †*lorenzii* Blake & Steyermark 1950 = *Guevaria lorenzii* 131  
 †*luzuriensis* (Kuntze) B.L. Robins. ex Volkens (*Piqueria trinervia* var. *luzuriensis*) =  
*Piqueria trinervia* 229  
 †*mathewii* B.L. Robins. 1906 = *Ophryosporus mathewii* 111  
 †*ovata* D. Don 1830 = *Piqueria trinervia* 229  
*pilosa* H.B.K. Mexico 100  
 †*pinifolia* Phil. 1891 = *Ophryosporus pinifolia* 111  
 †*pittieri* King 1967 (*Piqueria longipetiolata* B.L. Robins.) 5 = *Phalacraea pittieri* 132 =  
*Phalacraea longipetiolata* 207  
 †*pubescens* J.E. Smith = *Ophryosporus pubescens* 111  
 †*pyramidalis* B.L. Robins. 1901 = *Erythradenia pyramidalis* 17  
*serrata* Gray 5,132  
 †*setifera* Chung = *Ellenbergia glandulata* 131  
 †*sodiroi* Heiron. ex Sodiro 1900 = *Guevaria sodiroi* 131  
 †*standleyi* B.L. Robins. 1934 = *Koanophyllum standleyi* 64,131  
*triflora* Hemsl. Mexico 100  
*trinervia* Cav. 1794 Guatemala, Mexico 5,7,11,100,229,230,233  
 †*trinervia* var. *luzuriensis* Kuntze 1891 = *Piqueria trinervia* 229  
 †*vargasii* Chung 1967 = *Guevaria vargasii* 131  
*Piqueriella* K. & R. 1974 1 sp. 131,133,194,233  
*brasiliensis* K. & R. 1974 Brasil 133  
*Piqueriopsis* King 1965 1 sp. 1,7,11,100,131,194,233,235  
*michaocana* R. M. King 1965 Mexico 1,7,11,100  
*Planaltoa* Taubert 1896 2 spp. 11,15,165,233  
*lychnophoroides* Barroso 1965 Brasil 15  
*salviifolia* Taubert 1896 Brasil 11,15  
*Platypodanthera* K. & R. 1972 1 sp. 92,94,110,233,235  
*melissifolia* (DC.) K. & R. (*Ageratum*, *Sympphyopappus*) Brasil 92,94

*Pleurocoronis* K. & R. 1966 3 spp. 2,11,165,233,235  
*gentryi* (Wiggins) K. & R. (*Hofmeisteria*) 2,3  
*laphamoides* (Rose) K. & R. (*Hofmeisteria*) 2,3  
*pluriseta* (Gray) K. & R. (*Hofmeisteria*) Mexico 3,11,230,233  
†*Podophania* Baillon 1880 = *Hofmeisteria* 2,11  
  †*dissecta* (H. & A.) (*Phania*) = *Eupatorium dissectum* = *Hofmeisteria dissecta* 79  
  †*ghiesbreghtiana* Baillon 1880 = *Hofmeisteria dissecta* 4,11

*Polyanthina* K. & R. 1970 1 sp. 31,40,103,104,107,233  
*nemorosa* (Klatt) K. & R. (*Eupatorium*) Costa Rica, northern South America 9,31,37,  
  229,230

*Prazeliopsis* Barroso 1949 1 sp. 11,28,97,124,178,228,233,235  
*mattogrossensis* Barroso 1949 Brasil 11

*Prazelis* Cass. 1826 14 spp. 22,28,124,143,164,228,233  
*asperulacea* (Baker) K. & R. (*Eupatorium*) Brasil 28,233  
*basifolia* (Malme) K. & R. (*Eupatorium*) Brasil 28  
*capillaris* Sch.-Bip. 1866 Brasil 28,233  
*chiquitensis* (B.L. Robins.) K. & R. (*Eupatorium*) Bolivia 164  
*clematidea* (Griseb.) K. & R. (*Eupatorium*) Argentina, Bolivia, Brasil 28  
*conoclinantha* (Hieron.) K. & R. (*Eupatorium*) Bolivia 28  
*grandiflora* (DC.) K. & R. (*Ooclinium*) Brasil 11,28  
*insignis* (Malme) K. & R. (*Eupatorium*) Brasil 28,164,200  
*karuaciensis* (Badillo) K. & R. (*Eupatorium*) Venezuela 28  
*kleinoides* (H.B.K.) K. & R. (*Eupatorium*) South America 28  
*missione* (Malme) K. & R. (*Eupatorium*) Argentina, Brasil 28  
*odontodactyla* (B.L. Robins.) K. & R. (*Eupatorium*) Brasil 28  
*ostenii* (B.L. Robins.) K. & R. (*Eupatorium*) Paraguay 28  
*pauciflora* (H.B.K.) K. & R. (*Eupatorium*) northern South America 28

*Prolobus* K. & R. 1982 1 sp. 213  
*nitidulus* (Baker) K. & R. (*Eupatorium*) Brasil 213

*Pseudobrickellia* K. & R. 1972 3 spp. 83,165,233  
*angustissima* (Spreng. ex Baker) K. & R. (*Eupatorium*) Brasil 83  
*brasiliensis* (Spreng.) K. & R. (*Eupatorium*) Brasil 83  
*irwini* K. & R. 1972 Brasil 83

*Pseudokyrsteniopsis* K. & R. 1973 1 sp. 115,165,233,235  
*perpetiolata* K. & R. 1973 Guatemala 115,232

†*Psiloanthus* Necker 1790 = *Liatris* 11

*Radikoferotoma* O. Ktze. 1891 3 spp. 11,44,233,235  
*berroi* (Hutch.) K. & R. (*Carelia*) Uruguay, Brasil 44  
*cistifolium* (Less.) Kuntze (*Carelia*) Brasil, Uruguay 11,44  
*ramboi* (Cabrera) K. & R. (*Carelia*) Brasil 44

*Raulinoreitzia* K. & R. 1971 3 spp. 51,52,53,165,233  
*crenulata* (Spreng.) K. & R. (*Baccharis*) Argentina, Bolivia, Paraguay, Peru 53,164,179  
*leptophlebia* (B.L. Robins.) K. & R. (*Symphyopappus*) Brasil 54,164  
*tremula* (H. & A.) K. & R. (*Eupatorium*) Argentina, Brasil, Uruguay 53,164

*Revealia* K. & R. 1976 1 sp. 157,233  
*macrocephala* (Paray) K. & R. (*Oxylobus*) Mexico 160  
  †*stevioides* K. & R. 1976 157 = *Revealia macrocephala* 160

†*Rosalesia* Llave & Lex. = *Brickellia* 11,229,233  
  †*glandulosa* La Llave = *Brickellia cavanillesii* 11,229

*Santosia* K. & R. 1980 1 sp. 190  
*talmonii* K. & R. 1980 Brasil 190

†*Sartoria* Sch.-Bip. nom. nud. = *Sartorina* 122  
 †*eupatorioides* Sch.-Bip. nom. nud. = *Sartorina schultzii* 122  
*Sartorina* K. & R. 1974 1 sp. 122,233  
*schultzii* K. & R. 1974 (*Sartoria eupatorioides*) Mexico 122  
*Schaetzellia* Klotsch 1849 = *Onoseris* 11  
 †*Schaetzellia* Sch.-Bip. 1850 = *Macvaughiella* 11,15,232,233  
 †*mexicana* Sch.-Bip. 1850 = *Macvaughiella mexicana* 11,15  
 †*standleyi* Steyermark. 1944 = *Macvaughiella mexicana* 15  
*Scherya* K. & R. 1977 1 sp. 166,189  
*bahiensis* K. & R. 1977 Brasil 166  
*Sciadocephala* Mattf. 1938 5 spp. 11  
*amazonica* K. & R. 1974 Colombia 127,233  
*asplundii* K. & R. 1976 Ecuador 160  
*dressleri* K. & R. 1975 Panama 134,229  
*pkaraimae* (Maguire & Wurdack) K. & R. (*Adenostemma*) British Guiana 127,160  
*schultze-rhombifolia* Mattf. 1938 Ecuador 11,127,134,229  
*Sclerolepis* Cass. 1816 1 sp. 233  
*uniflora* (Walt.) Porter US 11,230  
*Serratula* L.  
 †*spicata* L. = *Suprago spicata* = *Liatris spicata* 11  
 †*squarrosa* L. = *Lacinaria squarrosa* = *Liatris squarrosa* 11  
*Shinnersia* K. & R. 1970 1 sp. 12,233  
*rivularis* (Gray) K. & R. (*Trichocoronis*) Mexico, US 12  
*Spaniopappus* B.L. Robins. 1926 5 spp. 11,168,201,233,235  
*ekmanii* B.L. Robins. 1926 Cuba 11,20  
*hygrophilus* (Alain) K. & R. (*Eupatorium*) Cuba 20  
*idiostylus* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 20  
*ruckeri* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 20  
*shaferi* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 20  
*Sparganophorus* Vaillant ex Crantz 1766 11  
*verticillatus* Michx. = *Sclerolepis uniflora* 11  
*Sphaerupatorium* (Hoffm.) O. Kize. ex B.L. Robins. 1920 3 spp. 11,62,64,150,153,233  
*hoffmannii* (Kuntze) Kuntze ex B.L. Robins. 1920 11  
*sphaerocephalum* (Sch.-Bip. ex Baker) K. & R. (*Eupatorium*) 207  
*Staelhelina* 11  
 †*elegans* Walt. = *Calostelma elegans* = *Liatris elegans* 11  
*Standleyanthus* K. & R. 1971 1 sp. 46,168,233  
*triptychus* (B.L. Robins.) K. & R. (*Eupatorium*) Costa Rica 46  
*Stevia* Cav. 1797 229 spp. 11,29,64,111,157,168,225,232,233,235  
*alatipes* B.L. Robins. Mexico 8  
*amabayensis* B.L. Robins. 214  
 †*amabilis* Lemmon = *Stevia viscida* 8  
*ambylepis* B.L. Robins. Mexico 8  
*ammotropha* B.L. Robins. Paraguay 8  
*aplezicaulis* Hassler. Paraguay 214  
*andina* B.L. Robins. Peru 8  
*aristata* D. Don ex H. & A. Brasil 8  
*aschenboriana* Sch.-Bip. Mexico 8,100  
*balansae* Heiron. Brasil 8  
*bangii* Rusby 8  
*beckii* K. & R. 1982 Bolivia 214  
*benderi* Perkins 8

*Stevia* continued

*†benthamiana* Heiron. 1901 = *Stevia ovata* 229  
*berlandieri* Gray Mexico 8,230  
*bridgesii* Rusby 8,214  
*burkartii* B.L. Robins. Brasil 8  
*camachensis* Heiron. 8  
*carcasana* DC. 1836 Panama, Mexico 100,229  
*chacoensis* R.E. Fries 8  
*chamaedrys* Griseb. 8  
*clinopodioides* Greenm. Mexico 8  
*clivicola* B.L. Robins. 8  
*†compacta* Benth. 1845 = *Stevia triflora* 229  
*conferta* Mexico 8  
*connata* Lag. Mexico 8  
*cordifolia* Benth. Mexico 8  
*†decumbens* (B.L. Robins. & Greenm.) Greene = *Stevia liebmannii* 8  
*deltoides* Greene Mexico 8  
*dictyophylla* B.L. Robins. Mexico 8,100  
*†diffusa* Greenm. = *Stevia aschenboriana* 8  
*discolor* B.L. Robins. 8  
*dissitifolia* DC. 8  
*eclipes* B.L. Robins. 8  
*†ehrenbergiana* Schlecht. 1842 = *Stevia ovata* 229  
*eliator* H.B.K. Guatemala, Bolivia, Mexico 8,100,230  
*†elliptica* H. & A. 1841 Mexico 8 = *Stevia caracasana* 229  
*elongata* H.B.K. Mexico, Venezuela 8,10  
*†elongata* var. *caracasana* (DC.) B.L. Robins. = *Stevia caracasana* 229  
*entreriensis* Heiron. Brasil 8  
*eupatoria* (Spreng.) Willd. (*Mustelia*) Mexico 8,11,100,229  
*†fascicularis* Less. 1830 = *Stevia ovata* 229  
*†fastigiata* H.B.K. 1818 = *Stevia lucida* 229  
*febrifuga* Moc. ex DC. 1836 nom. nud. = *Piqueria trinervia* 229  
*fiebrigii* Heiron. 8  
*filipes* Rusby 8  
*flourensioides* Blake 8  
*gilliesii* H. & A. 8  
*glandulosa* H. & A. Mexico 8,100  
*†glutinosa* H.B.K. 1818 8 = *Stevia lucida* 229  
*grandidentata* Sch.-Bip. 1865 229  
*†grandidentata* Sch.-Bip. ex Klatt 1884 = *Stevia lucida* 229  
*guaranitica* Chod. Brasil 8  
*†hassleriana* Chod. = *Stevia balansae* 8  
*heptachaeta* DC. Brasil 191  
*hirsuta* DC. Mexico, Guatemala 100  
*†hirtiflora* Sch.-Bip. 1853 = *Stevia caracasana* 229  
*hypericifolia* Heiron. 8  
*hypomalaca* B.L. Robins. 8  
*jalicensis* B.L. Robins. Mexico 8,100  
*jorullensis* H.B.K. Mexico, Guatemala 8,100  
*karwinskiana* Steud. 8  
*latifolia* Benth. Mexico 100  
*laza* B.L. Robins. & Seaton Mexico 8

*Stevia* continued

*lehmanni* Heiron. Mexico 8  
*lemonii* Gray Mexico 8  
*leucosticta* B.L. Robins. 8  
*liebmannii* Sch.-Bip. ex Klatt Mexico 8  
*lilloi* B.L. Robins. 8  
*florozanoi* B.L. Robins. = *Stevia viscida* 8  
*lucida* Lag. 1816 Mexico, Venezuela, Panama 8,100,229,230  
*macbridei* B.L. Robins. 8  
*†macella* Gray = *Stevia micrantha* 8  
*mandonii* Sch.-Bip. Peru, Bolivia 8  
*melissifolia* (Lam.) Sch.-Bip. (*Nothites latifolia*) 11,229  
*menthifolia* Sch.-Bip. 8  
*micradenia* B.L. Robins. Mexico 8,100  
*micrantha* Lag. Mexico 8,100  
*microchaeta* Sch.-Bip. 8  
*mitopoda* B.L. Robins. 8  
*monardifolia* H.B.K. Mexico 8,100  
*morii* K. & R. 1980 Brasil 191  
*myricoides* McVaugh 100  
*neglecta* Rusby 8  
*nelsonii* B.L. Robins. Mexico 8,100  
*nepetifolia* H.B.K. Mexico 8  
*†nervosa* DC. 1836 = *Stevia ovata* 229  
*neurophylla* B.L. Robins. & Greenm. 8  
*†nitida* Walp. 1840 = *Stevia lucida*? 229  
*†oaxacana* Sch.-Bip. ex Klatt 1884 nom. nud. = *Stevia lucida* 229  
*obovata* Rusby 8  
*organensis* Gardn. 8  
*origanoides* H.B.K. Mexico 8,100  
*orizabensis* B.L. Robins. Mexico 8  
*orphryophylla* B.L. Robins. Brasil 8  
*†ovata* Lag. 1816 = *Stevia ovata* Willd. 229  
*ovata* Willd. 1809 Panama, Guatemala, Mexico 8,100,229,230  
*palmeri* Gray 8  
*†paniculata* Lag. 1816 = *Stevia ovata* 229  
*parvifolia* Hassl. 214  
*pelophila* Blake 8  
*pennellii* B.L. Robins. 8  
*phlebophylla* Gray Mexico 8,100  
*pilosa* Lag. Mexico 8,100,224  
*plummerae* Gray Mexico, US 8  
*polycephala* Bert. Mexico, Guatemala 8,230  
*porphyrea* McVaugh Mexico 8,100,224  
*potosiensis* K. & R. 1982 Bolivia 214  
*†pringlei* Wats. 1888 = *Cronquistia pringlei* 6  
*purdei* B.L. Robins. 8  
*†purpurea* Pers. = *Stevia porphyrea* 100  
*purpusii* B.L. Robins. Mexico 8  
*pyrolifolia* Schlecht. 8  
*†quitensis* H.B.K. 1818 = *Stevia ovata* 229  
*†rapunculoides* DC. 1836 = *Steviopsis rapunculoides* 59,77

*Stevia* continued

*rebaudiana* (Bert.) Bert. Paraguay 8,85  
*reclinata* Rusby 8  
*†reglensis* Benth. 1840 = *Stevia ovata* 229  
*revoluta* B.L. Robins. 8  
*†rhombifolia* H.B.K. 1818 8 = *Stevia ovata* 229  
*†rhombifolia* var. *stephanocoma* Sch.-Bip. 1853 = *Stevia triflora* 229  
*riedleii* Sch.-Bip. 8  
*rosei* B.L. Robins. Mexico 100  
*rzedowskii* McVaugh Mexico 100  
*salicifolia* Cav. US, Mexico 8,11,100,229  
*sarensis* B.L. Robins. Brasil 8  
*satureiifolia* (Lamk.) Sch.-Bip. Uruguay, Argentina 8  
*scabrella* Benth. 8,100  
*scabridula* B.L. Robins. 8  
*schreiteri* B.L. Robins. 8  
*seemannii* Sch.-Bip. 8,100  
*seleriana* B.L. Robins. Mexico 8  
*selloi* 8  
*serrata* Cav. 1797 Mexico, Guatemala, Venezuela, Colombia 11,100,230  
*simulans* B.L. Robins. 1906 = *Cronquistia pringlei* 6  
*subpubescens* Lag. Mexico 100,230  
*†tephra* B.L. Robins. = *Stevia serrata* 8  
*tephrophylla* Blake 8,230  
*†ternifolia* H.B.K. 1818 = *Stevia ovata* 229  
*tomentosa* H.B.K. Mexico 8,100  
*tracheliooides* DC. 8  
*trifida* Lag. Mexico 100,230  
*triflora* DC. Mexico, Nicaragua 229  
*uniaristata* DC. 1836 = *Stevia ovata* 229  
*urticifolia* Thunb. 8  
*venosa* Gray Mexico 8  
*vernicosa* Greene. Mexico 8  
*†vigintiseta* DC. 1836 = *Steviopsis vigintiseta* 207  
*villaregalis* McVaugh Mexico 100  
*villaricensis* (B.L. Robins.) Cabrera & Vittet Brasil 8  
*viscida* H.B.K. Mexico 100  
*weberbaueri* B.L. Robins. 8  
*westonii* K. & R. 1977 Costa Rica 161  
*yacoensis* Heiron. 8  
*Steviopsis* K. & R. 1971 5 spp. 59,60,63,79,165,233  
*adenolepis* (B.L. Robins.) K. & R. Mexico 100  
*amblyolepis* (B.L. Robins.) K. & R. (*Brickellia*) Mexico 77 see also *Stevia amblyolepis*  
*arsenei* K. & R. 1972 Mexico 77  
*pulcherrima* (B.L. Robins.) K. & R. (*Brickellia*) Mexico 77  
*rapunculoides* (DC.) K. & R. (*Stevia*) Mexico 59,77,100  
*vigintiseta* (DC.) K. & R. (*Stevia*) 207  
*Steyermarkina* K. & R. 1971 4 spp. 47,48,199,201,233  
*displata* (Gardn.) K. & R. (*Eupatorium*) Brasil 47  
*dusenii* (Malme) K. & R. (*Eupatorium*) Brasil 47  
*†naiguatensis* Badillo 1976 = *Critonia naiguatensis* 162  
*pyrifolia* (DC.) K. & R. (*Eupatorium*) Brasil 47

*Steyermarkina* continued

*triflora* K. & R. 1971 Venezuela 47

*Stomatianthes* K. & R. 1970 15 spp. 24,71,150,233

*africanus* (Oliver & Heiron.) K. & R. (*Eupatorium*) Africa 24,227

*corumbensis* (B.L. Robins.) H. Robins. (*Eupatorium*) Brasil 227

*dentatus* (Gardn.) H. Robins. (*Eupatorium*) Brasil, Bolivia 227

*dictyophyllus* (DC.) H. Robins. (*Eupatorium*) Brasil 227

*hirsutus* H. Robins. 1970 Brasil 227

*loesgrenii* (B.L. Robins.) H. Robins. (*Eupatorium*) Brasil 227

*oblongifolius* (Sch.-Bip. ex Baker) H. Robins. (*Eupatorium, Gyptis*) 33,215,227

*pernambucensis* (B.L. Robins.) H. Robins. (*Eupatorium*) Brasil 227

*polycephalus* (Sch.-Bip. ex B.L. Robins.) H. Robins. (*Eupatorium*) Brasil 227

*subcapitatus* (Malme) H. Robins. (*Eupatorium*) Brasil 227

*trigonus* (Gardn.) H. Robins. (*Eupatorium*) Brasil 227

*warmingii* (Baker) H. Robins. (*Eupatorium*) Brasil 227

*Stylotrichum* Mattf. 1923 4 spp. 11,96,177,184,191,233,235

*corymbosum* (DC.) Mattf. (*Agrianthus, Ageratum*) Brasil 11,186,191

*edmundoi* Barroso 1957 Brasil 186

*rotundifolium* Mattf. 1923 Brasil 186

*sucrei* K. & R. 1980 Brasil 186

†*Suprago* Gaertn. 1791 = *Liatris* 11,233

†*glauca* (L.) Gaertn. = *Vernonia noveboracensis* 11

†*spicata* (L.) Gaertn. (*Serratula*) = *Liatris spicata* 11

*Sympyopappus* Turcz. 1848 11 spp. 11,48,51,55,56,130,170,233,235

*angustifolius* Cabrera 1959 Brasil 54

*brasiliensis* (Gardn.) K. & R. (*Liatris, Leptoclinium*) Brazil 11,179

†*catharinensis* (Cabrera) K. & R. (*Eupatorium*) 130 = *Neocabreria catharinensis* 170

*cassaretoi* B.L. Robins. 1934 Brasil 54,179

*compressus* (Gardn.) B.L. Robins. Brasil 54,179

*cuneatus* Sch.-Bip. ex Baker 1876 Brasil 54,179

*decussatus* Turcz. 1848 11,54,179

*itiatiagensis* (Heiron.) K. & R. (*Eupatorium*) Brasil 54,164,179

†*leptophlebius* B.L. Robins. 1931 = *Raulinoreitzia leptophlebia* 164,165,179

*lymansmithii* B.L. Robins. 1931 Brasil 54,179

*myricifolius* B.L. Robins. 1923 Brasil 54,179

†*pennivenius* B.L. Robins. 1923 = *Neocabreria pennivenia* 207

*reitzii* (Cabrera) K. & R. (*Eupatorium*) Brasil 54,179

*reticulatus* Baker 1876 Brasil 54,55,67,179,209

†*tetrastrichus* B.L. Robins. 1934 = *Goyazianthus tetrastrichus* 54,165

†*viscosus* Sch.-Bip. ex Baker 1876 = *Bahianthus viscosus* 33,70

*Tamaulipa* K. & R. 1971 1 sp. 58,59,144,233

*azurea* (DC.) K. & R. (*Eupatorium*) Texas, NE Mexico 58

†*Tamayoia* Badillo = *Ayapana* 233

*paraguanensis* Badillo 1944 229

*Teizeiranthus* K. & R. 1980 2 spp. 193,235

*foliosus* (Gardn.) K. & R. (*Isocarpha, Piqueria*) 193,212

*pohlii* (Baker) K. & R. (*Alomia*) Brasil 212

†*Traganthes* Wallr. 1822 = *Eupatorium* 11,226,233

†*tenuifolia* (Willd.) Wallr. (*Artemisia*) = *Eupatorium capillifolium* 11

*Trichocoronis* Gray 1849 2 spp. 11,27,64,233

†*greggii* Gray 1850 = *Trichocoronis sessilifolia* 27

†*triparia* (Greene) Greene (*Biolettia*) = *Trichocoronis wrightii* 27

## Trichocoronis continued

†*rivularis* Gray 1849 US = *Shinnersia rivularis* 12  
*sessilifolia* (Schauer) B.L. Robins. (*Ageratum*) Mexico 27,100  
*wrightii* (Gray) Gray (*Ageratum*) US 11,27  
*Trichogonia* (DC.) Gardn. 1846 30 spp. 11,86,94,107,130,145,232,233,235  
 †*apparicioi* Barroso = *Trichogonia hirtiflora* DC. 181  
*arguta* (H.B.K.) Benth. & Hook. ex Klatt (*Kuhnia*) Colombia, Venezuela 11,92  
*attenuata* Barroso 1951 Brasil 92,187  
 †*barrosoana* Barroso 1951 = *Campuloclinium barrosoana* 187  
*bishopii* K. & R. 1978 Bolivia 181,187  
*campestris* Gardn. 1846 Brasil 92,187  
*capitata* (Rusby) B.L. Robins. Bolivia 92,187  
*chodatii* (Hassl.) K. & R. (*Eupatorium*) Paraguay 92  
*cinerea* (Benth. ex Baker) K. & R. (*Alomia*) Brasil 92,187  
*dubia* (B.L. Robins.) K. & R. (*Alomia*) Brasil 92,187  
*eupatorioides* (Gardn.) K. & R. (*Isocarpha*) 187  
*febrigii* Mattf. 1923 Brasil, Paraguay 92,187  
*gardneri* Gray Brasil 93  
*grazielae* K. & R. 1980 Brasil 187  
*harleyi* K. & R. 1978 Brasil 181  
*hassleri* Mattf. 1923 Paraguay 92  
*heringeri* K. & R. 1980 Brasil 187  
*herlingii* 187  
*hirtiflora* Sch.-Bip. ex Baker 1876 Brasil 92,187  
*hirtifolia* DC. Brasil 181  
*laza* Gardn. 1847 Brasil 92,187  
 †*macrolepis* Baker 1876 = *Trichogoniopsis macrolepis* 93  
*martii* Baker 1876 Brasil 92,187  
 †*melissifolia* (DC.) Mattf. (*Ageratum*) = *Platypodanthera melissifolia* 94  
*menthifolia* Gardn. 1847 Brasil 92,187  
*phlebodes* (B.L. Robins.) K. & R. (*Eupatorium*) Paraguay 92  
 †*podocarpa* (DC.) Sch.-Bip. ex Baker (*Kuhnia*) = *Trichogoniopsis podocarpa* 187  
*prancii* Barroso 1969 Brasil 187  
*pseudocampestris* K. & R. 1980 Brasil 187  
*rhabdocarpa* B.L. Robins. 181  
*rhadinocarpa* B.L. Robins. 1906 Colombia, Venezuela 92,181,187  
*rhodotricha* Malme 1933 Brasil 92,187  
*salviifolia* Gardn. 1846 Paraguay, Brasil 92,181,187  
*santosii* K. & R. 1980 187  
 †*scabra* Klatt 1890 = *Campuloclinium tubaraoense* 187  
*scotimorii* K. & R. 1980 Brasil 187  
*spathulifolia* Mattf. 1923 Brasil 92,181,187  
*tombadorensis* K. & R. 1980 Brasil 187  
*villosa* Sch.-Bip. ex Baker Brasil 92,187,233  
*zehntneri* Mattf. 1923 Brasil 92,187  
*Trichogoniopsis* K. & R. 1972 4 spp. 92,233  
 †*adenantha* (DC.) K. & R. (*Eupatorium*) Brasil 91,93,187  
 †*macrolepis* (Baker) K. & R. (*Trichogonia*) Brasil 93 = *Trichogoniopsis podocarpa* 187  
*morii* K. & R. 1980 Brasil 187  
*podocarpa* (DC.) K. & R. (*Trichogonia, Kuhnia*) Brasil 92,187  
*Trilisa* (Cass.) Cass. 1823 2 spp. 11,233  
*odoratissima* (Willd.) Cass. (*Liatris*) US 11

†*Trychinolepis* B.L. Robins. 1928 = *Ophryosporus* 7,16,73,233  
 †*hoppii* B.L. Robins. 1928 = *Ophryosporus hoppii* 7,73

*Tuberostyles* Steetz 1853 2 spp. 74,235  
*azillaris* Blake 233  
*rhizophorae* Steetz 1853 Panama-Ecuador 11,229

*Uleophytum* Heiron. 1906 1 sp. 11,233  
*scandens* Heiron. 1906 Peru 11

†*Uncasia* Greene 1903 = *Eupatorium* 11,226,233  
*perfoliatum* (L.) Greene (*Eupatorium*) = *Eupatorium perfoliatum* 11

*Urbananthus* K. & R. 1971 2 spp. 48,49,50,233  
*critoniformis* (Urban) K. & R. (*Eupatorium*) Jamaica 50,158  
*pluriseriatus* (B.L. Robins.) K. & R. (*Eupatorium*) Cuba 50

*Urolepis* (DC.) K. & R. 1 sp. 40,69,129,229,233  
*hecatantha* (DC.) K. & R. (*Hebeclinium*) Argentina, Bolivia, Paraguay, Brasil 37,40

*Viereckia* K. & R. 1975 1 sp. 144,233  
*tamaulipasensis* K. & R. 1975 Mexico 144

*Vittetia* K. & R. 1974 2 spp. 129,150,153,154,233  
*bishopii* K. & R. 1981 Brasil 210  
*orbiculata* (DC.) K. & R. (*Eupatorium*) Brasil 129,210

†*Wikstroemia* Spreng. 1821 = *Critonia* 11,48,233  
 †*glandulosa* Spreng. 1821 = *Critonia dalea* 11,229

*Wikstroemia* Schrad. Theaceae 11,229

*Wikstroemia* Endl. Thymelaeaceae 11,229

†*Willoughbya* Necker ex O. Ktze. 1891 = *Mikania* 11,233  
 †*cordifolia* (L. f.) Kuntze (*Cacalia*) = *Mikania cordifolia* 229  
 †*ferruginea* Rusby 1896 = *Mikania banisteriae* 229  
 †*guaco* (H. & B.) Kuntze = *Mikania guaco* 229  
 †*houstonis* (L.) Kuntze (*Eupatorium*, *Mikania*) = *Mikania houstoniana* 229  
 †*imrayana* (Griseb.) Kuntze (*Mikania*) = *Mikania hookeriana* 229  
 †*platyphylla* (DC.) Kuntze (*Mikania*) = *Mikania hookeriana* 229  
 †*scandens* (L.) Kuntze 1891 (*Eupatorium*) = *Mikania scandens* 11,229

*Willoughbya* Schreber Apocynaceae 11

*Willoughbya* Roxb. Apocynaceae 11

†*Xetoligus* Raf. 1836 = *Stevia* 11,229,233  
 †*salicifolia* (Cav.) Raf. (*Stevia*) = *Stevia salicifolia* 11,229

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192. King, R.M. and H. Robinson. 1980. Studies in the Eupatorieae (Asteraceae). CXCII. Validation of subtribes. *Phytologia* 46:446-450.
193. King, R.M. and H. Robinson. 1980. Studies in the Eupatorieae (Asteraceae). CXCIII. A new genus *Teizeiranthus*. *Phytologia* 47:108-109.
194. King, R.M. and H. Robinson. 1980. Studies in the Eupatorieae (Asteraceae). CXCIV. A new genus *Parapiqueria*. *Phytologia* 47:110-112.
195. King, R.M. and H. Robinson. 1980. Studies in the Eupatorieae (Asteraceae). CXCV. A new genus *Cavalcantia*. *Phytologia* 47:113-116.
196. King, R.M. and H. Robinson. 1980. Studies in the Eupatorieae (Asteraceae). CXCVI. A new genus *Jaramilloa*. *Phytologia* 47:117-120.
197. King, R.M. and H. Robinson. 1980. Studies in the Eupatorieae (Asteraceae). CXCVII. Three additions to *Bartlettina*. *Phytologia* 47:121-123.
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202. King, R.M. and H. Robinson. 1980. Studies in the Eupatorieae (Asteraceae). CCII. A new genus *Kaunia*. *Phytologia* 47:257-260.

203. King, R.M. and H. Robinson. 1981. Studies in the Eupatorieae (Asteraceae). CCIII. A new genus *Bishopiella*. *Phytologia* 48:218-220.

204. King, R.M. and H. Robinson. 1981. Studies in the Eupatorieae (Asteraceae). CCIV. New combinations in Brasilian and Mexican species. *Phytologia* 48:221-222.

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215. King, R.M. and H. Robinson. 1982. Studies in the Eupatorieae (Asteraceae). CCXV. Additions to *Austroeupatorium* and *Cronquistianthus*. *Phytologia* 51:179-186.

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*SOLIDAGO GLUTINOSA* SSP. *RANDII* VAR. *ONTARIOENSIS*  
(COMPOSITAE: ASTERAEAE), A NEW UPPER GREAT LAKES ENDEMIC

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The following name is needed for publications on the  
biosystematics of the *Solidago glutinosa* complex:

*Solidago glutinosa* Nutt. ssp. *randii* (Porter) Cronq.  
var. *ontarioensis* Ringius, var. nov.

*Cypselis setosibus parce, raxis capitularescentes et*  
*pedunculis strigosibus parce, pollinis grana plus quam*  
*25.0  $\mu$  diaetra.*

Stems (7.0) 13.3-40.9 (60.5) cm high. Rosette leaves spatulate, apices obtuse to acute, margins entire-crenate to crenate. Cauline leaves (2) 4-13 (24), lowermost (4.0) 5.7-12.2 (21.5) mm wide. Capitulecence variable but mostly open virgate, capitula not numerous. Rays 8-10. Disks 10-14; pollen diameter (21.2) 23.6-27.1 (29.5)  $\mu$ . Chromosome number:  $2n = 36$ .

TYPE: CANADA. Coastal rocks, Michipigoten Harbour, Algoma District, Ontario, 25 August 1984, G. S. Ringius 1987. (holotype WAT).

Variety *ontarioensis* is one of four varieties recognised in ssp. *randii* in a recent revision of the *Solidago spathulata/glutinosa* complex (Ringius, 1985, doctoral diss. University of Waterloo). The variety occurs only on sparsely vegetated rocky shorelines of lakes Superior and northern Huron, usually within a few meters of the water's edge. Its small size, few leaves and long outer phyllaries distinguish it from var. *gillmanii* (Gray) Cronq., a sand dune variety.

Variety *ontarioensis* is similar to the upper Great Lakes form of *Solidago glutinosa* ssp. *glutinosa* var. *glutinosa*. The two varieties occur in the same habitat type but differ in ploidy, the former is tetraploid and the latter is diploid, and ploidy related traits. Variety *ontarioensis* has larger pollen grains, larger capitula, and longer corolla lobes. They are sympatric along the northeast coast of Lake Superior from Montreal Harbour to Sault Ste. Marie. However, they appear to form discrete populations along the shore. Variety *ontarioensis* is more abundant in the eastern end of Lake Superior and on Georgian Bay while var. *glutinosa* is found only on Northern Lake Superior.

NOVELTIES IN THE LOBELIACEAE

HAWAIIAN PLANT STUDIES 136

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*Cyanea hanaensis* sp. nov. (sect. Delissoideae), Fig. 1.

Diagnosis Holotypi: Frutes est, petiolis 5.5-8 cm longis puberulis, laminis 25.5-33  $\times$  7-11 cm chartaceis oblanceolatis acutis basi cuneata marginibus in apicibus veularum umbonatis infra adpresso puberulis, inflorescentia 8-10 cm longis 5-7-floris, pedunculo 14-18 mm longo puberulo, pedicellis 12-20 mm longis glabris, hypanthio 8-9 mm longo cylindrico, 5 lobis calycis 7-11  $\times$  2-2.5 mm ligulatis obtusis, corollia 65 mm longis 5 lobis ligulatis subacute, labia supera bilobata per 20 mm partita, labia infera trilobata per 27 mm partita, tubo filamentarum 45 mm longo glabro, 5 antheris glabris licet obscure subpurpureis eis superis 12 mm longis illis inferis 9 mm longis et in apice a setis 4 mm longis penicillatis.

Diagnosis of Holotype: Shrub; petioles 5.5-8 cm long, channeled above, appressed ascending puberulous; blades 25.5-33  $\times$  7-11 cm, thick firm chartaceous, oblanceolate, acute, the base cuneate, the margins umbonate at the veinlet tips, above dark green, and umbonate on the veinlets, below appressed puberulous, below appressed puberulous, and desinely so on the midrib, secondary veins 18-21 in each half, the lower ones ascending, the others arcuate ascending; inflorescence 8-10 cm long, 5-7-flowered; peduncle 14-18 mm long, sparsely puberulous; rhachis 7-9 mm long, glabrous; bracts 4-6 mm long, oblong lanceolate; pedicels 12-20 mm long, glabrous, dark puru; oish; 5 calyx lobes 7-11 2-2.5 mm, ligulate, obtuse, ascending; corolla 65 mm long, 6 mm in diameter at base and middle, glabrous, apparently blackish magenta, arcuate decurved, the 5 lobes ligulate, subacute; upper lip of 2 lobes cleft about 20 mm; lower lip of 3 lobes, cleft about 27 mm; filament tube 45 mm long, glabrous; 5 anthers glabrous, apparently dark purplish, the upper anthers 12 mm long, the lower anthers 9 mm long, penicilate at apex with white bristles 4 mm long; (fruit unknown).

Holotypus: Hawaiian Islands, east Maui Island, upper Hana Forest Reserve, on slopes of "Waihoi Crater," with Broussaisia, Coprosma, Metrosideros, Cheirodendron, etc., 4,000 ft alt., 22 Oct. 1972, Betsy Harrison 201 (BISH).

Discussion: Cyanea hanaensis a member of the section Delissoideae, as is its closest relative, C. Marianae E. Wimm., of Puu Kukui, west Maui, a species with the blades 47  $\times$  12 cm, narrowly elliptic, below puberulous

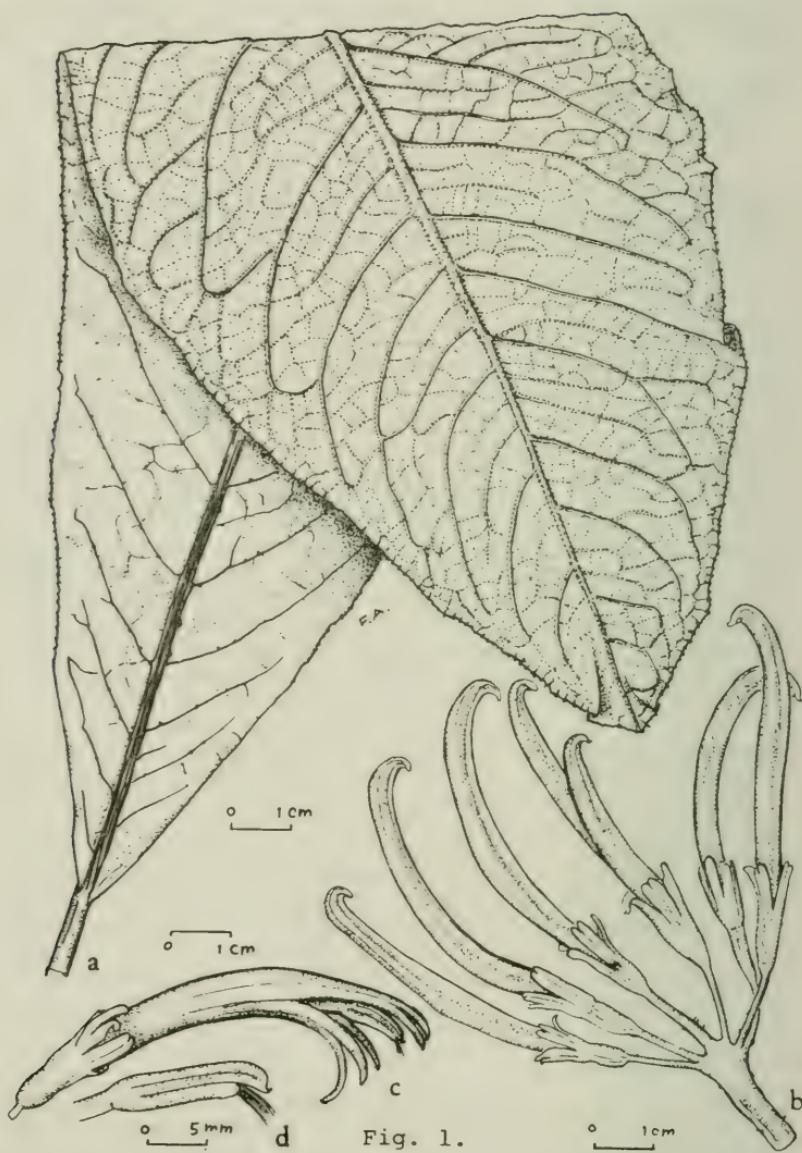


Fig. 1.

on veins and veinlets; peduncle 20 mm long, minutely tuberculate and sparsely hirsute; pedicels 17-25 mm long; calyx lobes 26-35  $\times$  7 mm, "sublinear;" corolla 75  $\times$  10 mm, the lobes muricate without; *C. hanaensis* has the blades 25.5-33 cm, oblanceolate, below appressed puberulous on the intervals and densely so on the midrib and secondaries; peduncle 14-18 mm long, sparsely puberulous; pedicels 12-20 mm long; calyx lobes 7-11  $\times$  2-2.8 mm, ligulate; corolla 65  $\times$  6 mm, the lobes glabrous.

The new epithet is formed from the place name Hana, and -ensis, the Latin adjectival place ending.

*Cyanea Mariana* E. Wimm., Engler's Pflanzenreich IV, 276b, 100: 57, 1956.

Lectotype: Hawaiian Islands, West Maui, Puu Kukui, in swamp, 4,500 ft alt., Aug. 16, 1933, M. Neal & C. Hartt (BISH). Lectotype here designated. Wimmer based his species upon two specimens, without designation of a holotype, so one of the two is here chosen as the lectotype.

*Lobelia tortuosa* Heller, var. *haupuensis*, var. nov.

Diagnosis Holotypi: Frutex 10 cm altus ramosus est, ramis decumbentibus glabris, foliis 17-20  $\times$  1-1.3 cm chartaceis oblanceo-ligulatis glabris crenulatis, pedunculo 4-7 cm longo, pedicellis 6-9 mm longis, lobis calycis 0.5-1 mm longis deltoideis puberulis, corollis 20-22 mm longis puberulis, antheris inferis 8 mm longis penicillatis.

Diagnosis of Holotype: Shrub 20 cm tall, many branched; branches 4-6 mm in diameter, solid, decumbent at base, the tips assurgent, glabrous, smooth, brownish; internodes 6-12 mm long; nodes not enlarged; leaf scars 1-1.5 mm tall concave convex, flush, stramineous; bundle scar solitary, central, hemispheric; leaves alternate, subsessile, 17-20  $\times$  1-1.3 cm, thick chartaceous, slightly oblance ligulate, the tip acute, the base long cuneate and decurrent, concolorous, glabrous, the margins crenulate; peduncle 4-7 cm long; racemes 6-9 cm long, 5 cm in diameter, dense; rhachis puberulous pedicels 6-9 mm long, sinuous ascending, reddish, puberulous; hypanthium 2-2.5 mm tall, hemispheric, 5-angled, glabrous; 5 calyx lobes 0.5-1 mm long, narrowly deltoid, minutely puberulous; corolla 20-22 mm long, 1.5 mm in diameter at the middle, "pinkish red to purple," sparsely puberulous, slightly decurved, cleft 6 mm between the lobes, the 5 lobes 7 mm long, tapering, white margined; anthers 8 and 7 mm long, yellow, the lower ones penicillate with white bristles 1.3 mm long.

Holotypus: Hawaiian Islands, Kauai Island, Hoary Head Mts., Haupu, wet windy steep north facing slope, on exposed rock face associated species in relative abundance, Bidens, Hibiscus, Hedyotis, Artemisia, infrequent, 500 m alt., 3--VIII-19701 W. Gagne & S. Montgomery 570 (BISH).

Discussion: The new variety haupuensis is most closely related to Lobelia tortuosa Heller, var. tortuosa, of Hanapepe Valley, Kauai, a variety with the leaves 15 x 1.8 cm, somewhat pubescent above, densely soft puberulent below; pedicels 12 mm long; bracts subulate, tomentose; hypanthium shortly puberulent; and the corolla 36 mm long. The var. haupuensis has the leaves 17-20 x 1-1.3 cm, glabrous; pedicels 6-9 mm long; bracts 2-2.5 mm long, subulate, puberulous; hypanthium glabrous; and the corolla 20-22 mm long.

The new epithet is formed from the name of the type locality, Haupu, and -ensis, The Latin adjectival place suffix.

#### Legend

Fig. 1. Cyanea hanaensis St. John, from holotype. a, leaf; b, inflorescence; c, flower; d, anthers.

NEW NAMES AND COMBINATIONS, PRINCIPALLY IN THE ROCKY MOUNTAIN  
FLORA--VI

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In order to validate a few names of taxa planned for inclusion in *Colorado Flora: Western Slope*, the following new combinations are necessary.

*Maianthemum amplexicaule* (Nuttall) W. A. Weber, comb. nov.  
*Smilacina amplexicaulis* Nuttall, J. Acad. Nat. Sci. Phila. 7:58. 1834.

*Nuttallia cronquistii* (Thompson & Prigge) W. A. Weber, comb. nov.  
*Mentzelia cronquistii* Thompson & Prigge, Great Basin Nat. 46:550. 1986.

*Veronicastrum serpyllifolium* (L.) Fourr., Ann. Soc. Linn. Lyon, n.s. 17:128. 1869, ssp. *humifusum* (Dicks.) W. A. Weber, comb. nov., based on *Veronica humifusa* Dicks. in Trans. Linn. Soc. 2:288. 1794; *V. serpyllifolia* L. ssp. *humifusa* (Dicks.) Syme in Sowerby, Engl. Bot., ed. 3, 6:158. 1866. The generic name *Veronicastrum* was typified by Fourreau (1869, *l.c.*). This name was incorrectly identified by Moench with the American-Eurasian group including *Leptandra virginica* (L.) Nutt. (1818).

*Vexibia nuttalliana* (B. L. Turner) W. A. Weber, comb. nov.  
*Sophora nuttalliana* Turner, Field & Lab. 24:15. 1956. *S. sericea* Nutt. (1818), non Andrews (1806); *Vexibia sericea* Raf. (1825).

*Sophora nuttalliana* has always been anomalous in this genus of essentially dry-tropical trees and shrubs. Recently, in processing a large collection of vascular plants from the Caucasus and Central Asia I found that *Goebelia pachycarpa* (Schrenk) Bunge from Ashabad is extremely similar to our species. Referring to the new two-volume work, *Advances in Legume Systematics*, edited by Polhill & Raven (1981), there is ample justification to segregate this group from *Sophora*. The disjunct distribution pattern, representing an ancient Tertiary connection, between Central Asia and southwestern North America, is repeated in such genera as *Platanus*, *Styrax*, *Cercis*, *Laurocerasus*, and *Amygdalus*.

Nuttall himself described *Sophora* as "a small and widely dispersed but scarcely natural genus" even as he added his *Sophora sericea* to it. He also commented on the "striking affinity of this plant" to the Caucasian *S. alopecuroides*, which he had seen in the Banksian Herbarium. *Goebelia* Bunge ex Boiss., Fl. Orient. 2:628. 1872, however, is not the earliest name available for the segregate.

Rafinesque also realized the anomalous position of *S. sericea* and proposed for it *Patrinia* (a later homonym), later replacing that name with *Vexibia*, the name now available. The typification of *Sophora* is controversial. Britton & Brown typified it by *S. alopecuroides* while A. S. Hitchcock chose *S. tomentosa*. The problem of Linnean typification and the American Code will be taken up by the next Botanical Congress. It would be unfortunate if the name *Sophora* were to be restricted to this small segment of a much larger genus, necessitating many name changes.

The following new combinations are necessary to bring the group on both continents into harmony:

**Vexibia alopecuroides** (L.) W. A. Weber, comb. nov. *Sophora alopecuroides* L., Sp. Pl. 373. 1753.

**Vexibia pachycarpa** (C. A. Mey.) W. A. Weber, comb. nov. *Sophora pachycarpa* C. A. Mey., Index Sem. Hort. Petrop. 9:89. 1843.

**Vexibia prodanii** (E. Anderson) W. A. Weber, comb. nov. *Sophora prodanii* E. Anderson, J. Arn. Arb. 16:76. 1935.

**Vexibia stenophylla** (A. Gray in Ives) W. A. Weber, comb. nov. *Sophora stenophylla* A. Gray in Ives, Rep. Colo. River, Bot. 10. 1860 [1861].

The name *Sophora carnosa* (Pursh) Yakovlev, based on *Astragalus carnosus* Pursh, is superfluous, since *A. carnosus* was based partly on *Astragalus crassicarpus* and partly on *Sophora sericea* Nutt.

## BOOK REVIEWS

Alma L. Moldenke

"SEVEN CLUES TO THE ORIGIN OF LIFE: A Scientific Detective Story" by A. G. Cairns-Smith, xii & 131 pp., 19 b/w fig. Cambridge University Press, Cambridge & London, U. K. & New York, N. Y. 10022. 1987. \$8.95 paperbound.

This very interesting facade of question-answer conversations between Sherlock Holmes and Dr. Watson was appreciated in *PHYTOLOGIA* 60 (4) last year. Now here is this year's edition in paper binding promising the same interesting step-by-step reasoning presented in challenging reading form.

"GRANT AND HACKH'S CHEMICAL DICTIONARY" (American, International, European and British Usage) Containing the Words Generally Used in Chemistry, and Many of the Terms Used in the Related Sciences of Physics, Medicine, Engineering, Biology, Pharmacy, Astrophysics, Agriculture, Mineralogy, etc." Fifth Edition by Roger Grant & Claire Grant, xiii & 641 pp., 21 b/w fig. & 103 tab. McGraw-Hill Book Company, New York, N. Y. 10020. 1987. \$74.00.

The title just about tells the whole story of this book except for the addition of such qualifying descriptions as: 55,000 terms included, well cross-referenced, entries reliably defined, effectively updated, both ACS and IUPAC nomenclatural systems used, very useful in schools, laboratories, personal desks and university libraries, and if only the clear crisp print could have been just one size larger. Under the entry for *verbena* the name *Verbena triphylla* is used, but this is only a no-longer-used synonym for *Lippia citriodora* [=*Aloysia triphylla*]. The *Lippia* name has its own entry without reference to the *Verbena* entry.

"BOTANY ILLUSTRATED - Introduction to Plants, Major Groups, Flowering Plant Families" by Janice Glimn-Lacy & Peter B. Kaufman, xvi & 276 pp., 130 b/w pl. & 1 map. Van Nostrand-Reinhold Company, New York, N. Y. 10003. 1984. \$19.45 paperbound.

"For students of botany and botanical illustration and everyone interested in plants" these plates are well and attractively drawn and explained on the matching lefthand pages. The drawings range from cell structure to gross anatomy singly and in series and many look so lifelike because they were drawn from field specimens. There are artistically-principled directions for color coding that can be used uniformly throughout, thus making the book more attractive and useful for the owner and for the instructor.

"WINTER BOTANY - An Identification Guide to Native (and Cultivated) Trees and Shrubs", reprint of 3rd Revised Edition of 1931, by William Trelease, xlvi & 396 pp., 1,000 b/w draw. Dover Publications, Inc., New York, N. Y. 10014. 1984. \$6.95.

This clearly illustrated key and descriptive text actually dates back to 1918 and has been and will continue to be used by individual naturalists, teachers and in classes, with their bunches of leafless twigs, in nature centers, and in botany, forestry, ecology and similar courses in colleges and universities probably for many years to come and through many more reprintings. Depending upon interests and motivations, it can be an end in itself or an accurate basis upon which further learning and knowledge will depend.

"MOUNT ST. HELENS:1980: Botanical Consequences of the Explosive Eruptions" edited by David E. Bilderback, vii & 360 pp., 87 b/w fig. includ. 68 photo., 62 tab. & 29 maps. University of California Press, Berkeley, California 94720. 1987. \$45.00.

This collection of 14 important papers has the advantages of recency, carefully selected and highly competent researching, integration of the surveys studied, and emergency operational funding from the N.S.F. and the Pac. Div. of the A.A.A.S. for helicopter and other equipment usage. The latter organization, along with the Pac. Sect. of the BOT. SOC. of AMER. and the West. Sect. of the ECOL. SOC. of AMER., presented this symposium in June 1981 during the 62nd Annual Meeting, just about a year after the eruption on May 18th of 1980. The papers that comprise this book come mostly from the pertinent faculties of the University of Washington, Oregon State University and the forestry services. Their authors have been familiar with this terrain and were and are within easy and quick access to it. They cover such topics as: an overview of the ecological effects of the eruption, plant life before 1980, initial vegetation recovery from perennial parts covered by the snows, ash retention on conifer needles for 150 days with subsequent mortality to insect feeders, with special reference to the western spruce budworm. There are helpful answers and ongoing research reports on "What happens when 100,000 ha of forests and meadows are covered with varying depths and textures of volcanic tephra and when all the above-ground plant and animal life on adjacent clearcut and virgin forest lands are destroyed."

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Typescripts should be prepared single-spaced on clean white heavy bond smooth and opaque paper. Elite type is probably the most space-economical. Typescript text must not exceed a rectangle 5 $\frac{5}{8}$  inches wide (horizontal) by 8 $\frac{3}{8}$  inches high (vertical), not including the running-head and page number.

The title of the paper should be typed in all uppercase (capital) letters with 2 blank lines above the title and one beneath; then the name of the author in ordinary upper- and lower-case letters, along with his address (if so desired); followed by 2 blank lines; then the first line of text. It is usually best to leave a blank line between paragraphs.

*All* scientific plant and animal names and group names should be typed either in italic type (if available) or underscored. Any corrections in the text made by the author must be complete and neat as they will be photographed as they are.

The finished typescript as submitted by the author will be reduced from the 8 $\frac{5}{8}$  x 5 $\frac{5}{8}$  inch size as submitted to 6 $\frac{1}{2}$  x 4 inches by the printer. It is therefore advisable to place a centimeter or millimeter scale on all text figures and plates included.

Use a *new* heavily inked black typewriter ribbon and be sure to *clean* the type on the typewriter after each several pages of typing.

Cost of publication at present is \$12.00 US per page, with no subsequent rebates, but this rate may vary depending on inflation and costs, so it is best to inquire as to current rates. The page charges are due *with* the typescript and no paper will be published before payment is received in full. Each author will receive gratis a proportionate share of the printed copies remaining after paid subscriptions are filled, but if separates (reprints or offprints) are desired, these will be charged extra in accord with the current rate for offprints provided by the printer. The cost of all such separates ordered must also be paid for in advance at the time the typescript is sent. No orders for separates will be accepted later, nor can additions or corrections be accepted.

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